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- French Patents (File 371)
- German Patents Fulltext (File 324)
- IMS Patent Focus (File 447, 947)
- INPADOC/Family and Legal Status (File 345)
- JAPIO - Patent Abstracts of Japan (File 347)
- LitAlert (File 670)
- U.S. Patents Fulltext (1971-1975) (File 652)
- U.S. Patents Fulltext (1976-present) (File 654)
- WIPO/PCT Patents Fulltext (File 349)
- TRADEMARKSCAN - U.S. Federal (File 226)

DialogLink 5 Release Notes

New features available in the latest release of DialogLink 5 (August 2006)

- Ability to resize images for easier incorporation into DialogLink Reports
- New settings allow users to be prompted to save Dialog search sessions in the format of their choice (Microsoft Word, RTF, PDF, HTML, or TEXT)
- Ability to set up Dialog Alerts by Chemical Structures and the addition of Index Chemicus as a structure searchable database
- Support for connections to STN Germany and STN Japan services

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*** ANNOUNCEMENTS ***

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The 2008 EMTREE Thesaurus has been added to EMBASE (Files 72, 73, 772, and 972)

RESUMED UPDATING

***File 154 & F155, MEDLINE

***File 156, ToxFile

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***Files 72 & 73, EMBASE

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[File 370] Science 1996-1999/Jul W3
(c) 1999 AAAS. All rights reserved.
**File 370: This file is closed (no updates). Use File 47 for more current information.*

[File 399] CA SEARCH(R) 1967-2007/UD=14808
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[File 444] New England Journal of Med. 1985-2008/Dec W4
(c) 2008 Mass. Med. Soc. All rights reserved.

[File 467] ExtraMED(tm) 2000/Dec
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2/3/1 (Item 1 from file: 98) [Links](#)

General Sci Abs

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01266791 H.w. Wilson Record Number: BGSA88016791

Activation of human immunodeficiency virus type 1 by DNA damage in human cells.

Valerie, Kristoffer

Delers, Anne; Bruck, Claudine

Nature (Nature) v. 333 (May 5 1988) p. 78-81

Special Features: bibl il ISSN: 0028-0836

Language: English

Country Of Publication: United Kingdom

2/3/2 (Item 1 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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141393638 CA: 141(24)393638n JOURNAL

Immune Responses to a Class II Helper Peptide Epitope in Patients with Stage III/IV Resected Melanoma

Author: Wong, Raymond; Lau, Roy; Chang, Jenny; Kuus-Reichel, Tina; Brichard, Vincent; Bruck, Claudine; Weber, Jeffrey

Location: Department of Medicine, Keck/University of Southern California School of Medicine, Los Angeles, CA, USA

Journal: Clin. Cancer Res.

Date: 2004

Volume: 10 Number: 15 Pages: 5004-5013

CODEN: CCREF4

ISSN: 1078-0432

Language: English

Publisher: American Association for Cancer Research

2/3/3 (Item 2 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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141021955 CA: 141(2)21955k JOURNAL

Immunologic Analysis of a Phase I/II Study of Vaccination with MAGE-3 Protein

Combined with the AS02B Adjuvant in Patients with MAGE-3-Positive Tumors

Author: Vantomme, Valerie; Dantine, Christine; Amrani, Noreddine; Permanne, Philippe; Gheysen, Dirk; Bruck, Claudine; Stoter, Gerrit; Britten, Cedrik M.; Keilholz, Ulrich; Lamers, Cor H. J.; Marchand, Marie; Delire, Marcel; Gueguen, Maryse

Location: GlaxoSmithKline Biologicals, Rixensart, Belg.

Journal: J. Immunother.

Date: 2004

Volume: 27 Number: 2 Pages: 124-135

CODEN: JOIMF8

ISSN: 1524-9557

Language: English

Publisher: Lippincott Williams & Wilkins

2/3/4 (Item 3 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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138105512 CA: 138(8)105512q JOURNAL

Prevention of disease induced by a partially heterologous AIDS virus in rhesus monkeys
by using an adjuvanted multicomponent protein vaccine

Author: Voss, Gerald; Manson, Kelledy; Montefiori, David; Watkins, David I.; Heeney,
Jonathan; Wyand, Michael; Cohen, Joe; Bruck, Claudine

Location: GlaxoSmithKline Biologicals, 1330, Rixensart, Belg.

Journal: J. Virol.

Date: 2003

Volume: 77 Number: 2 Pages: 1049-1058

CODEN: JOVIAM

ISSN: 0022-538X

Language: English

Publisher: American Society for Microbiology

2/3/5 (Item 4 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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137215352 CA: 137(15)215352z JOURNAL

Designing HER2 vaccines

Author: Foy, Teresa M.; Fanger, Gary R.; Hand, Susan; Gerard, Catherine; Bruck, Claudine; Cheever, Martin A.

Location: Corixa Corporation, Seattle, WA, USA

Journal: Semin. Oncol.

Date: 2002

Volume: 29 Number: 3, Suppl. 11 Pages: 53-61

CODEN: SOLGAV

ISSN: 0093-7754

Language: English

Publisher: W. B. Saunders Co.

2/3/6 (Item 5 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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135342904 CA: 135(24)342904q JOURNAL

Recombinant human papillomavirus type 16 E7 protein as a model antigen to study the vaccine potential in control and E7 transgenic mice

Author: Gerard, Catherine M.; Baudson, Nathalie; Kraemer, Kirsty; Ledent, Catherine ; Pardoll, Drew; Bruck, Claudine

Location: Research and Development, GlaxoSmithKline Biologicals, B-1330, Rixensart, Belg.

Journal: Clin. Cancer Res.

Date: 2001

Volume: 7 Number: 3, Suppl. Pages: 838S-847S

CODEN: CCREF4

ISSN: 1078-0432

Language: English

Publisher: American Association for Cancer Research

2/3/7 (Item 6 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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133175869 CA: 133(13)175869g JOURNAL

The adjuvant monophosphoryl lipid A increases the function of antigen-presenting cells

Author: De Becker, Genevieve; Moulin, Veronique; Pajak, Bernard; Bruck, Claudine;

Francotte, Myriam; Thiriart, Clotilde; Urbain, Jacques; Moser, Muriel

Location: Departement de Biologie Moleculaire, Universite Libre de Bruxelles, 6041, Gosselies, Belg.

Journal: Int. Immunol.

Date: 2000

Volume: 12 Number: 6 Pages: 807-815

CODEN: INIMEN

ISSN: 0953-8178

Language: English

Publisher: Oxford University Press

2/3/8 (Item 7 from file: 399) [Links](#)

CA SEARCH(R)

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131043582 CA: 131(4)43582g PATENT

Method to enhance an immune response of nucleic acid vaccination

Inventor (Author): Dalemans, Wilfried L. J.; Van Mechelen, Marcelle Paulette; Bruck, Claudine; Friede, Martin

Location: Belg.

Assignee: Smithkline Beecham Biologicals S.A.

Patent: PCT International ; WO 9930733 A1 Date: 19990624

Application: WO 98EP8152 (19981211) *GB 9726555 (19971216)

Pages: 42 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

Class: A61K-039/00A; A61K-031/70B; A61K-039/39B; A61K-009/00B; A61K-039/00B; A61K-031/70B

Designated Countries: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

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2/3/9 (Item 8 from file: 399) [Links](#)

CA SEARCH(R)

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131001465 CA: 131(1)1465r PATENT

Recombinant vaccine containing mutant Der P1 allergen with reduced enzymatic activity

Inventor (Author): Bruck, Claudine; Bollen, Alex; Jacobs, Paul; Massaer, Marc

Location: Belg.

Assignee: Smithkline Beecham Biologicals S.A.

Patent: PCT International ; WO 9925823 A2 Date: 19990527

Application: WO 98EP7521 (19981116) *GB 9724531 (19971119)

Pages: 46 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

Class: C12N-015/12A; C07K-014/435B; A61K-039/35B

Designated Countries: CA; JP; US

Designated Regional: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

2/3/10 (Item 9 from file: 399) [Links](#)

CA SEARCH(R)

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130280846 CA: 130(21)280846h PATENT

Fusion proteins comprising HIV Tat and/or Nef proteins and their production with recombinant cells for use as vaccines

Inventor (Author): Bruck, Claudine; Godart, Stephane Andre Georges; Marchand, Martine

Location: Belg.

Assignee: Smithkline Beecham Biologicals S.A.

Patent: PCT International ; WO 9916884 A1 Date: 19990408

Application: WO 98EP6040 (19980917) *GB 9720585 (19970926)

Pages: 66 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

Class: C12N-015/49A; C12N-015/62B; C07K-014/16B; A61K-039/21B

Designated Countries: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GE; GH; GM; HR; HU; ID; IL; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

Designated Regional: GH; GM; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

2/3/11 (Item 10 from file: 399) [Links](#)

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CA SEARCH(R)

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130250882 CA: 130(19)250882z JOURNAL

Comparison of the antibody repertoire generated in healthy volunteers following immunization with a monomeric recombinant gp120 construct derived from a CCR5/CXCR4-using human immunodeficiency virus type 1 isolate with sera from naturally infected individuals

Author: Beddows, Simon; Lister, Simon; Cheingsong, Rachanee; Bruck, Claudine; Weber, Jonathan

Location: Department of GU Medicine and Communicable Diseases, Imperial College School of Medicine at St. Mary's, London, UK, W2 1PG

Journal: J. Virol.

Date: 1999

Volume: 73 Number: 2 Pages: 1740-1745

CODEN: JOVIAM

ISSN: 0022-538X

Language: English

Publisher: American Society for Microbiology

2/3/12 (Item 11 from file: 399) [Links](#)

CA SEARCH(R)

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130222110 CA: 130(17)222110c PATENT

Fusion proteins of human papillomavirus E6 and E7 stimulate a type 1 T-cell response

Inventor (Author): Bruck, Claudine; Cabezon Silva, Teres; Delisse, Anne-Marie Eva

Fernande; Gerard, Catherine Marie Ghislaine; Lombardo-Bencheikh, Angela

Location: Belg.

Assignee: Smithkline Beecham Biologicals S.A.

Patent: PCT International ; WO 9910375 A2 Date: 19990304

Application: WO 98EP5285 (19980817) *GB 9717953 (19970822)

Pages: 95 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

Class: C07K-014/00A

Designated Countries: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GE; GH; GM; HR; HU; ID; IL; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

Designated Regional: GH; GM; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

2/3/13 (Item 12 from file: 399) [Links](#)

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130079909 CA: 130(7)79909n CONFERENCE PROCEEDING

Multiple immune effector mechanisms as correlates of HIV-1 vaccine protection

Author: Heeney, Jonathan Luke; Mooij, Petra; Bogers, Willy; Davis, David; Morein, Bror; De Giuli Morghen, Carlo; Lehner, Thomas; Voss, Gerald; Bruck, Claudine; Koopman, Gerrit; Rosenwirth, Brigitte

Location: Dept of Virology, Biomedical Primate Research Centre, Rijswijk, Neth.

Journal: Retroviruses Hum. AIDS Relat. Anim. Dis., Colloq. Cent Gardes, 11th

Editor: Girard, Marc (Ed), Dodet, Betty (Ed),

Date: 1998

Pages: 281-285

CODEN: 66UXAF

Language: English

Meeting Date: 19970000

Publisher: Elsevier , Paris, Fr

2/3/14 (Item 13 from file: 399) [Links](#)

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124143067 CA: 124(11)143067s JOURNAL

Protection against lethal simian immunodeficiency virus SIVsmmPBj14 disease by a recombinant Semliki Forest virus gp160 vaccine and by a gp120 subunit vaccine

Author: Mossman, Sally P.; Bex, Francoise; Berglund, Peter; Arthos, James; O'Neil, Shawn P.; Riley, David; Maul, Donald H.; Bruck, Claudine; Momin, Patricia; et al.

Location: Dep. Pathology, Colorado State Univ., Fort Collins, CO, 80523, USA

Journal: J. Virol.

Date: 1996

Volume: 70 Number: 3 Pages: 1953-60

CODEN: JOVIAM

ISSN: 0022-538X

Language: English

2/3/15 (Item 14 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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124142955 CA: 124(11)142955t JOURNAL

Simple enzyme immunoassay for titration of antibodies to the CD4-binding site of human immunodeficiency virus type 1 gp120

Author: Turbica, Isabelle; Posner, Marshall; Bruck, Claudine; Barin, Francis

Location: Departement de Microbiologie Medicale et Moleculaire, Centre Hospitalier Universitaire Bretonneau, 37044, Tours, Fr.

Journal: J. Clin. Microbiol.

Date: 1995

Volume: 33 Number: 12 Pages: 3319-23

CODEN: JCMIDW

ISSN: 0095-1137

Language: English

2/3/16 (Item 15 from file: 399) [Links](#)

CA SEARCH(R)

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124028038 CA: 124(3)28038w PATENT

Alphavirus RNA as carrier for vaccines

Inventor (Author): Dalemans, Wilfried; Bruck, Claudine; Liljestroem, Peter Torsten

Location: Belg.

Assignee: SmithKline Beecham Biologicals (S.A.); Bioption AB

Patent: PCT International ; WO 9527069 A1 Date: 951012

Application: WO 95EP1080 (950322) *GB 946498 (940331)

Pages: 19 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

Class: C12N-015/86A; C07K-014/18B; C12N-015/62B; A61K-039/245B; A61K-039/29B; A61K-031/70B; A61K-009/127B; C12N-015/87; A61K-048/00; A61K-039/00
Designated Countries: AM; AT; AU; BB; BG; BR; BY; CA; CH; CN; CZ; DE; DK; EE; ES; FI; GB; GE; HU; JP; KE; KG; KP; KR; KZ; LK; LR; LT; LU; LV; MD; MG; MN; MW; MX; NL; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; TJ; TM; TT
Designated Regional: KE; MW; SD; SZ; UG; AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

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123219547 CA: 123(17)219547a JOURNAL

Genetic construction and in vitro characterization of SIVsmmPBj14-1.9 noninfectious particles

Author: Deschamps, Marguerite; Lambrecht, Benedicte; Horth, Marie; Kummert, Suzy; Gelderblom, Hans R.; Bruck, Claudine; Burny, Arsene

Location: Laboratory of Biological Chemistry, Free University of Brussels, 1640, St. Genesius-Rode, Belg.

Journal: AIDS Res. Hum. Retroviruses

Date: 1995

Volume: 11 Number: 7 Pages: 855-61

CODEN: ARHRE7

ISSN: 0889-2229

Language: English

Meeting Date: 950000

2/3/18 (Item 17 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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121228592 CA: 121(19)228592x JOURNAL

HIV-1 envelope-elicited neutralizing antibody titers correlate with protection and virus load in chimpanzees

Author: Bruck, Claudine; Thiriart, Clotilde; Fabry, Luc; Francotte, Myriam; Pala, Pietro; Van Opstal, Omer; Culp, Jeff; Rosenberg, Martin; De Wilde, Michel; et al.

Location: SmithKline Beecham Biologicals, 1330, Rixensart, Belg.

Journal: Vaccine

Date: 1994

Volume: 12 Number: 12 Pages: 1141-8

CODEN: VACCDE

ISSN: 0264-410X

Language: English

2/3/19 (Item 18 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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120189601 CA: 120(15)189601g JOURNAL

Incomplete protection, but suppression of virus burden, elicited by subunit simian immunodeficiency virus vaccines

Author: Israel, Zimra R.; Edmonson, Paul F.; Maul, Donald H.; O'Neil, Shawn P.; Mossman, Sally P.; Thiriart, Clotilde; Fabry, Luc; Van Opstal, Omer; Bruck, Claudine; et al.

Location: Coll. Vet. Med. Biomed. Sci., Colorado State Univ., Fort Collins, CO, 80523 , USA

Journal: J. Virol.

Date: 1994

Volume: 68 Number: 3 Pages: 1843-53

CODEN: JOVIAM

ISSN: 0022-538X

Language: English

2/3/20 (Item 19 from file: 399) [Links](#)

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118079143 CA: 118(9)79143k JOURNAL 2/3/21 (Item 20 from file: 399) [Links](#)

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117189739 CA: 117(19)189739w CONFERENCE PROCEEDING

Characterization of the serological responses in experimentally infected rhesus monkeys by competition with neutralizing and nonneutralizing mouse monoclonal antibodies and peptide reactivity

Author: Goudsmit, Jaap; Bakker, Margreet; De Wolf, Frank; Langedijk, Hans; Meloen, Rob; Thiriart, Clotilde; Bruck, Claudine; McEntee, Michael; Narayan, Opendra; et al.

Location: Dep. Virol., AMC, 1105 AZ, Amsterdam, Neth.

Journal: Vaccines 92: Mod. Approaches New Vaccines Incl. Prev. AIDS (Annu. Meet.), 9th

Editor: Brown, Fred (Ed),

Date: 1992

Pages: 165-70

CODEN: 57WXAL

Language: English

Publisher: Cold Spring Harbor Lab. Press , Cold Spring Harbor, N. Y

Comparison and fine mapping of both high and low neutralizing monoclonal antibodies against the principal neutralization domain of HIV-1

Author: Langedijk, J. P. M.; Back, Nicole K. T.; Kinney-Thomas, Elaine; Bruck, Claudine; Francotte, Myriam; Goudsmit, J.; Meloen, R. H.

Location: Cent. Vet. Inst., Lelystad, Neth.

Journal: Arch. Virol.

Date: 1992

Volume: 126 Number: 1-4 Pages: 129-46

CODEN: ARVIDF

ISSN: 0304-8608

Language: English

2/3/22 (Item 21 from file: 399) [Links](#)

CA SEARCH(R)

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117088631 CA: 117(9)88631z PATENT

Derivatives of glycoprotein gp160 and vaccines based on gp160 or a derivative thereof, containing an adjuvant

Inventor (Author): Van Wijnendale, Frans; Slaoui, Moncef; Bruck, Claudine; Francotte, Myriam; Kummert, Suzy

Location: Belg.

Assignee: Smithkline Beecham Biologicals S.A.

Patent: PCT International ; WO 9206113 A2 Date: 920416

Application: WO 91EP1810 (910921) *GB 9021175 (900928) *GB 916048 (910321)

Pages: 41 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

Class: C07K-013/00A; C12N-015/49B; A61K-039/21B; A61K-039/39B

Designated Countries: AU; CA; JP; KR; US

Designated Regional: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LU; NL; SE

2/3/23 (Item 22 from file: 399) [Links](#)

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115277321 CA: 115(25)277321t CONFERENCE PROCEEDING

Conformational rearrangement of the HIV-1 envelope renders viruses resistant to type-specific and broadly neutralizing antibodies

Author: Back, Nicole K. T.; Wolfs, Tom F. W.; Sun, Wagian; Ramautarsing, Chitra; Smit, Lia; Goudsmit, Jaap; Nara, Peter L.; Bruck, Claudine

Location: Hum. Retrovirus Lab., Acad. Med. Cent., Amsterdam, Neth.

Journal: Vaccines 91: Mod. Approaches New Vaccines Incl. Prev. AIDS, (Annu. Meet. Mod. Approaches New Vaccines), 8th

Editor: Chanock, Robert M (Ed),

Date: 1991

Pages: 179-82

CODEN: 57HGAV

Language: English

Meeting Date: 900000

Publisher: Cold Spring Harbor Lab. , Plainview, N. Y

2/3/24 (Item 23 from file: 399) [Links](#)

CA SEARCH(R)

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113186080 CA: 113(21)186080f PATENT

Glucoamylase gene promoter/signal sequences from Candida, their uses for expression of heterologous genes and product secretion in Saccharomyces, and vaccine preparation

Inventor (Author): Bruck, Claudine; Cohen, Joseph; Gorman, Jessica Angel; Koltin, Yigal; Loch, Camille; Van Wijnendaele, Frans

Location: USA

Assignee: SmithKline Beckman Corp.

Patent: European Pat. Appl. ; EP 362179 A2 Date: 900404

Application: EP 89870129 (890824) *US 236699 (880825)

Pages: 28 pp.

CODEN: EPXXDW

Language: English

Patent Classifications:

Class: C12N-001/18A; C12N-015/81B; C12N-015/62B; C12P-021/02B; C12N-015/49B; C12N-015/25B; C12N-015/31B; C07K-015/00B; C12N-015/19B; A61K-039/10B; C12N-001/18J; C12R-001/865J

Designated Countries: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

2/3/25 (Item 24 from file: 399) [Links](#)

CA SEARCH(R)

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113038741 CA: 113(5)38741g PATENT

Human immunodeficiency virus (HIV) immunoassay using CD4 glycoprotein

Inventor (Author): Thiriart, Clotilde; Bruck, Claudine

Location: Belg.

Assignee: SmithKline Biologicals S. A.

Patent: European Pat. Appl. ; EP 354200 A2 Date: 900207

Application: EP 89870114 (890724) *US 223483 (880725)

Pages: 8 pp.

CODEN: EPXXDW

Language: English

Patent Classifications:

Class: G01N-033/569A

Designated Countries: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

2/3/26 (Item 25 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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110169930 CA: 110(19)169930d JOURNAL

Antigenic variants of bovine leukemia virus (BLV) are defined by amino acid substitutions in the amine part of the envelope glycoprotein gp51

Author: Portetelle, Daniel; Couez, Dominique; Bruck, Claudine; Kettmann, Richard; Mammerickx, Marc; Van der Maaten, Martin; Brasseur, Robert; Burny, Arsene

Location: Fac. Agron., 5800, Gembloux, Belg.

Journal: Virology

Date: 1989

Volume: 169 Number: 1 Pages: 27-33

CODEN: VIRLAX

ISSN: 0042-6822

Language: English

2/3/27 (Item 26 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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109017939 CA: 109(3)17939e JOURNAL

Additional member of the protein-tyrosine kinase family: the src- and lck-related protooncogene c-tkl

Author: Strebhardt, Klaus; Mullins, James I.; Bruck, Claudine; Ruebsamen-Waigmann, Helga

Location: Chemother. Forschungsinst., 6000/70, Frankfurt, Fed. Rep. Ger.

Journal: Proc. Natl. Acad. Sci. U. S. A.

Date: 1987

Volume: 84 Number: 24 Pages: 8778-82

CODEN: PNASA6

ISSN: 0027-8424

Language: English

2/3/28 (Item 27 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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107169679 CA: 107(19)169679s JOURNAL

Expression of a cDNA clone corresponding to the long open reading frame (XBL-I) of the bovine leukemia virus

Author: Willems, Luc; Bruck, Claudine; Portetelle, Daniel; Burny, Arsene; Kettmann, Richard

Location: Dep. Mol. Biol., Univ. Brussels, 1640, St. Genesius-Rode, Belg.

Journal: Virology

Date: 1987

Volume: 160 Number: 1 Pages: 55-9

CODEN: VIRLAX

ISSN: 0042-6822

Language: English

2/3/29 (Item 28 from file: 399) [Links](#)

CA SEARCH(R)

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107094444 CA: 107(11)94444a JOURNAL

Bovine leukosis virus as a model for human retroviruses

Author: Bruck, Claudine; Kettmann, Richard; Portetelle, Daniel; Couez, Dominique; Burny, Arsene

Location: Dep. Mol. Biol., Univ. Brussels, 1640, St. Genesius-Rode, Belg.

Journal: NATO ASI Ser., Ser. A

Date: 1986

Volume: 120 Number: New Exp. Modalities Control Neoplasia Pages: 279-86

CODEN: NALSDJ

Language: English

2/3/30 (Item 29 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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105204009 CA: 105(23)204009f JOURNAL

Nucleic acid sequence of an internal image-bearing monoclonal anti-idiotypic and its comparison to the sequence of the external antigen

Author: Bruck, Claudine; Co, Man Sung; Slaoui, Moncef; Gaulton, Glen N.; Smith, Temple; Fields, Bernard N.; Mullins, James I.; Greene, Mark I.

Location: Dep. Pathol., Harvard Med. Sch., Boston, MA, 02115, USA

Journal: Proc. Natl. Acad. Sci. U. S. A.

Date: 1986

Volume: 83 Number: 17 Pages: 6578-82

CODEN: PNASA6

ISSN: 0027-8424

Language: English

2/3/31 (Item 30 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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105151013 CA: 105(17)151013u JOURNAL

Purification of mouse monoclonal antibodies from ascitic fluid by DEAE Affi-Gel Blue chromatography

Author: Bruck, Claudine; Drebin, Jeffrey A.; Glineur, Corinne; Portetelle, Daniel

Location: Dep. Pathol., Harvard Med. Sch., Boston, MA, 02115, USA

Journal: Methods Enzymol.

Date: 1986

Volume: 121 Number: Immunochem. Tech., Pt. I Pages: 587-96

CODEN: MENZAU

ISSN: 0076-6879

Language: English

2/3/32 (Item 31 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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103067924 CA: 103(9)67924t JOURNAL

Bovine leukemia virus: past, present and future

Author: Burny, Arsene; Bruck, Claudine; Couez, Dominique; Deschamps, Jacqueline; Ghysdael, Jacques; Gregoire, Diane; Kettmann, Richard; Mammerickx, Marc; Portetelle, Daniel; et al.

Location: Fac. Agron., Univ. Brussels, Gembloux, Belg.

Journal: Dev. Oncol.

Date: 1985

Volume: 28 Number: RNA Tumor Viruses, Oncog., Hum. Cancer AIDS Pages: 306-17

CODEN: DEOND5

ISSN: 0167-4927

Language: English

2/3/33 (Item 32 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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101128546 CA: 101(15)128546d JOURNAL

Epitopes of bovine leukemia virus glycoprotein gp51 recognized by sera of infected cattle and sheep

Author: Bruck, Claudine; Portetelle, Daniel; Mammerickx, Marc; Mathot, Sylvie; Burny, Arsene

Location: Dep. Mol. Biol., Univ. Brussels, 1640, Rhode-St-Genese, Belg.

Journal: Leuk. Res.

Date: 1984

Volume: 8 Number: 3 Pages: 315-21

CODEN: LEREDD

ISSN: 0145-2126

Language: English

2/3/34 (Item 33 from file: 399) [Links](#)

CA SEARCH(R)

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101104968 CA: 101(13)104968s CONFERENCE PROCEEDING
Enzootic bovine leukemia: its relevance as a model system for human T-cell leukemia
Author: Burny, Arsene; Bruck, Claudine; Couez, Dominique; Deschamps, Jacqueline;
Ghysdael, Jacques; Kettmann, Richard; Mammerickx, Marc; Marbaix, Gerard; Portetelle,
Daniel
Location: Dep. Mol. Biol., Univ. Brussels, 1640, Rhode-St.-Genese, Belg.
Journal: Hum. T-Cell Leuk./Lymphoma Virus: Fam. Hum. T-Lymphotropic Retroviruses:
Their Role Malig. Assoc. AIDS, (HTLV Meet.)
Editor: Gallo, Robert C. (Ed), Essex, Myron E. (Ed), Gross, Ludwik (Ed),
Date: 1984
Pages: 17-24
CODEN: 52DMAS
Language: English
Meeting Date: 830000
Publisher: Cold Spring Harbor Lab. , Cold Spring Harbor, N. Y

2/3/35 (Item 34 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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101088538 CA: 101(11)88538u JOURNAL

Biologically active epitopes of bovine leukemia virus glycoprotein gp51: their dependence on protein glycosylation and genetic variability

Author: Bruck, Claudine; Renzonnet, Nathalie; Portetelle, Daniel; Cleuter, Yvette; Mammerickx, Marc; Burny, Arsene; Mamoun, Robert; Guillemain, Bernard; Van der Maaten, Martin J.; Ghysdael, Jacques

Location: Dep. Biol. Mol., Univ. Libre de Bruxelles, Genese, Belg.

Journal: Virology

Date: 1984

Volume: 136 Number: 1 Pages: 20-31

CODEN: VIRLAX

ISSN: 0042-6822

Language: English

2/3/36 (Item 35 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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98029831 CA: 98(5)29831f JOURNAL

Translational stability of plant viral RNAs microinjected into living cells. Influence of a 3'-poly(A) segment

Author: Huez, Georges; Cleuter, Yvette; Bruck, Claudine; Van Vloten-Doting, Lous; Goldbach, Rob; Verduin, Benedictus

Location: Lab. Biol. Chem., Univ. Brussels, St. Genesius-Rode, Belg.

Journal: Eur. J. Biochem.

Date: 1983

Volume: 130 Pages: 205-9

CODEN: EJBCAI

ISSN: 0014-2956

Language: English

2/3/37 (Item 36 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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97213938 CA: 97(25)213938b JOURNAL

Topographical analysis by monoclonal antibodies of BLV-gp51 epitopes involved in viral functions

Author: Bruck, Claudine; Portetelle, Daniel; Burny, Arsene; Zavada, Jan

Location: Dep. Mol. Biol., Univ. Brussels, 1640, Rhode-St-Genese, Belg.

Journal: Virology

Date: 1982

Volume: 122 Number: 2 Pages: 353-66

CODEN: VIRLAX

ISSN: 0042-6822

Language: English

2/3/38 (Item 37 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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94171838 CA: 94(21)171838z JOURNAL

Translational stability of native and deadenylylated rabbit globin mRNA injected into HeLa cells

Author: Huez, Georges; Bruck, Claudine; Cleuter, Yvette

Location: Lab. Biol. Chem., Free Univ. Brussels, B-1640, Rhode-St-Genese, Belg.

Journal: Proc. Natl. Acad. Sci. U. S. A.

Date: 1981

Volume: 78 Number: 2 Pages: 908-11

CODEN: PNASA6

ISSN: 0027-8424

Language: English

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4/3/1 (Item 1 from file: 149) [Links](#)

TGG Health&Wellness DB(SM)

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01316663 Supplier Number: 11910413

Expression of members of the putative olfactory receptor gene family in mammalian germ cells.

Parmentier, Marc; Libert, Frederic; Schurmans, Stephane; Schiffmann, Serge; Lefort, Anne; Eggerickx, Dominique; Ledent, Catherine; Mollereau, Catherine ; Gerard, Catherine;

Perret, Jason; Grootegoed, Anton; Vassart, Gilbert

Nature , v355 , n6359 , p453(3)

Jan 30 ,

1992

Publication Format: Magazine/Journal

ISSN: 0028-0836

Language: English

Record Type: Citation Target Audience: Academic

4/3/2 (Item 2 from file: 149) [Links](#)

TGG Health&Wellness DB(SM)

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01194569 Supplier Number: 08278477 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Molecular cloning of the thyrotropin receptor.

Parmentier, Marc; Libert, Frederick; Manehaut, Carine; Lefort, Anne; Gerard, Catherine;
Perret, Jason; Van Sande, Jacqueline; Dumont, Jacques E.; Vassart, Gilbert
Science , v246 , n4937 , p1620(3)

Dec 22 ,

1989

Publication Format: Magazine/Journal

ISSN: 0036-8075

Language: English

Record Type: Fulltext Target Audience: Academic

Word Count: 1429 Line Count: 00138

4/3/3 (Item 1 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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142191056 CA: 142(11)191056f JOURNAL

Induction of heat shock protein 70 (Hsp70) by proteasome inhibitor MG 132 protects articular chondrocytes from cellular death in vitro and in vivo

Author: Grossin, Laurent; Etienne, Stephanie; Gaborit, Nadege; Pinzano, Astrid; Cournil-Henrionnet, Christel; Gerard, Catherine; Payan, Elisabeth; Netter, Patrick; Terlain, Bernard; Gillet, Pierre

Location: Laboratoire de Pharmacologie, Faculte de Medecine de Nancy, UMR 7561 CNRS -Universite Nancy I, F54505, Vandoeuvre, Fr.

Journal: Biorheology

Date: 2004

Volume: 41 Number: 3,4 Pages: 521-534

CODEN: BRHLAU

ISSN: 0006-355X

Language: English

Publisher: IOS Press

4/3/4 (Item 2 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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137215352 CA: 137(15)215352z JOURNAL

Designing HER2 vaccines

Author: Foy, Teresa M.; Fanger, Gary R.; Hand, Susan; Gerard, Catherine; Bruck, Claudine; Cheever, Martin A.

Location: Corixa Corporation, Seattle, WA, USA

Journal: Semin. Oncol.

Date: 2002

Volume: 29 Number: 3, Suppl. 11 Pages: 53-61

CODEN: SOLGAV

ISSN: 0093-7754

Language: English

Publisher: W. B. Saunders Co.

4/3/5 (Item 3 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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136004996 CA: 136(1)4996d JOURNAL

Amylolysis of maize mutant starches

Author: Gerard, Catherine; Colonna, Paul; Buleon, Alain; Planchot, Veronique

Location: INRA, F-44316, Nantes, Fr.

Journal: J. Sci. Food Agric.

Date: 2001

Volume: 81 Number: 13 Pages: 1281-1287

CODEN: JSFAAE

ISSN: 0022-5142

Language: English

Publisher: John Wiley & Sons Ltd.

4/3/6 (Item 4 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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133006087 CA: 133(1)6087v JOURNAL

Relationship between branching density and crystalline structure of A- and B-type
maize mutant starches

Author: Gerard, Catherine; Planchot, Veronique; Colonna, Paul; Bertoft, Eric

Location: BP 71627, INRA, F-44316, Nantes, Fr.

Journal: Carbohydr. Res.

Date: 2000

Volume: 326 Number: 2 Pages: 130-144

CODEN: CRBRAT

ISSN: 0008-6215

Publisher Item Identifier: 0008-6215(00)00025-2

Language: English

Publisher: Elsevier Science Ltd.

4/3/7 (Item 5 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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129246814 CA: 129(19)246814r JOURNAL

Details of the crystalline ultrastructure of C-starch granules revealed by synchrotron micro-focus mapping

Author: Buleon, Alain; Gerard, Catherine; Riekkel, Christian; Vuong, Roger; Chanzy, Henri

Location: Institut National de la Recherche Agronomique, 44316, Nantes, Fr.

Journal: Macromolecules

Date: 1998

Volume: 31 Number: 19 Pages: 6605-6610

CODEN: MAMOBX

ISSN: 0024-9297

Publisher Item Identifier: 0024-9297(98)00739-6

Language: English

Publisher: American Chemical Society

4/3/8 (Item 6 from file: 399) [Links](#)

CA SEARCH(R)

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125317348 CA: 125(25)317348x PATENT

Dendritic-like cell fusion with immortal tumor cell line to form hybrids and hybridomas for cancer patient immunization and stimulation of anti-tumor response

Inventor (Author): Moser, Muriel; Leo, Oberdan; Lespagnard, Laurence; Urbain, Jacques; Bruyns, Catherine; Gerard, Catherine; Goldman, Michel; Velu, Thierry; Willems, Fabienne; et al.

Location: USA

Assignee: Baxter International Inc.

Patent: PCT International ; WO 9630030 A1 Date: 961003

Application: WO 96US4370 (960329) *US 414480 (950331)

Pages: 54 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

Class: A61K-035/14A; C12N-005/22B; C12N-015/07B

Designated Countries: AU; CA; CN; JP; KR; SG

Designated Regional: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

4/3/9 (Item 7 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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124307520 CA: 124(23)307520n JOURNAL

Curative potential of herpes simplex virus thymidine kinase gene transfer in rats with 9L gliosarcoma

Author: Cool, Vincent; Pirotte, Benoit; Gerard, Catherine; Dargent, Jean-Louis; Baudson, Nathalie; Levivier, Marc; Goldman, Serge; Hildebrand, Jerzy; Brotchi, Jacques; Velu, Thierry

Location: Erasme Hospital, Free University, Brussels, Belg.

Journal: Hum. Gene Ther.

Date: 1996

Volume: 7 Number: 5 Pages: 627-35

CODEN: HGTHE3

ISSN: 1043-0342

Language: English

4/3/10 (Item 8 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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122256699 CA: 122(21)256699b JOURNAL

In Chinese hamster ovary K1 cells dog and human thyrotropin receptors activate both the cyclic AMP and the phosphatidylinositol 4,5-bisphosphate cascades in the presence of thyrotropin and the cyclic AMP cascade in its absence

Author: Van Sande, Jacqueline; Swillens, Stephane; Gerard, Catherine; Allgeier, Anouk; Massart, Claude; Vassart, Gilbert; Dumont, Jacques E.

Location: School Medicine, Univ. Brussels, Brussels, Belg.

Journal: Eur. J. Biochem.

Date: 1995

Volume: 229 Number: 2 Pages: 338-43

CODEN: EJBCAI

ISSN: 0014-2956

Language: English

4/3/11 (Item 9 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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122237522 CA: 122(19)237522x JOURNAL

Spontaneous and cycloheximide-induced interleukin-10 mRNA expression in human mononuclear cells

Author: Stordeur, Patrick; Schandene, Liliane; Durez, Patrick; Gerard, Catherine; Goldman, Michel; Velu, Thierry

Location: Dep. Immunol., Hop. Erasme, Brussels, Belg.

Journal: Mol. Immunol.

Date: 1995

Volume: 32 Number: 4 Pages: 233-9

CODEN: MOIMD5

ISSN: 0161-5890

Language: English

4/3/12 (Item 10 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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121278210 CA: 121(23)278210s JOURNAL

The protective role of interleukin-10 in endotoxin shock

Author: Marchant, Arnaud; Bruyns, Catherine; Vandenabeele, Peter; Abramowicz, Daniel; Gerard, Catherine; Delvaux, Anne; Ghezzi, Pietro; Velu, Thierry; Goldman, Michel

Location: Hopital Erasme, Universite Libre de Bruxelles, 1070, Brussels, Belg.

Journal: Prog. Clin. Biol. Res.

Date: 1994

Volume: 388 Number: BACTERIAL ENDOTOXINS Pages: 417-23

CODEN: PCBRD2

ISSN: 0361-7742

Language: English

4/3/13 (Item 11 from file: 399) [Links](#)

CA SEARCH(R)

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121203370 CA: 121(17)203370k PATENT

Use of interleukin-10, its analogs and/or agonists for treatment of lymphokine-associated diseases

Inventor (Author): Goldman, Michel; Velu, Thierry; Abramowicz, Daniel; Bruyns, Catherine; Capel, Paul; Delvaux, Anne; Donckier, Vincent; Gerard, Catherine; Marchant, Arnaud; et al.

Location: Belg.

Patent: PCT International ; WO 9417773 A2 Date: 940818

Application: WO 94EP283 (940201) *EP 93400242 (930201)

Pages: 65 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

Class: A61K-000/A

Designated Countries: AU; BB; BG; BR; CA; CN; CZ; FI; GE; HU; JP; KP; KR; KZ; LK; LV; MG; MN; MW; NO; NZ; PL; RO; RU; SD; SK; UA; US; UZ; VN

Designated Regional: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

4/3/14 (Item 12 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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121131996 CA: 121(11)131996u JOURNAL

Modulation of the release of cytokines and reduction of the shock syndrome induced by anti-CD3 monoclonal antibody in mice by interleukin-10

Author: Donckier, Vincent; Flament, Veronique; Gerard, Catherine; Abramowicz, Daniel; Vandenabeele, Peter; Wissing, Martin; Delvaux, Anne; Fiers, Walter; Leo, Oberdan; et al.

Location: Dep. Biol. Mol., Univ. Libre Bruxelles, Belg.

Journal: Transplantation

Date: 1994

Volume: 57 Number: 10 Pages: 1436-9

CODEN: TRPLAU

ISSN: 0041-1337

Language: English

4/3/15 (Item 13 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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120321237 CA: 120(25)321237z JOURNAL

Interleukin-10 controls interferon- γ and tumor necrosis factor production during experimental endotoxemia

Author: Marchant, Arnaud; Bruyns, Catherine; Vandenabeele, Peter; Ducarme, Martine; Gerard, Catherine; Delvaux, Anne; De Groote, Donat; Abramowicz, Daniel; Velu, Thierry; Goldman, Michel

Location: Hop. Erasme, Univ. Libre Bruxelles, Brussels, Belg.

Journal: Eur. J. Immunol.

Date: 1994

Volume: 24 Number: 5 Pages: 1167-71

CODEN: EJIMAF

ISSN: 0014-2980

Language: English

4/3/16 (Item 14 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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120296446 CA: 120(23)296446g JOURNAL

B7/CD28-dependent IL-5 production by human resting T cells is inhibited by IL-10

Author: Schandene, Liliane; Alonso-Vega, Cristina; Willems, Fabienne; Gerard, Catherine;
Delvaux, Anne; Velu, Thierry; Devos, Rene; de Boer, Mark; Goldman, Michel

Location: Dep. Immunol., Erasmus Hosp., B-1070, Brussels, Belg.

Journal: J. Immunol.

Date: 1994

Volume: 152 Number: 9 Pages: 4368-74

CODEN: JOIMA3

ISSN: 0022-1767

Language: English

4/3/17 (Item 15 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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120267922 CA: 120(21)267922d JOURNAL

Interleukin-10 inhibits B7 and intercellular adhesion molecule-1 expression on human monocytes

Author: Willems, Fabienne; Marchant, Arnaud; Delville, Jean-Pierre; Gerard, Catherine; Delvaux, Anne; Velu, Thierry; de Boer, Mark; Goldman, Michel

Location: Dep. Immunol., Univ. Libre de Bruxelles, Brussels, Belg.

Journal: Eur. J. Immunol.

Date: 1994

Volume: 24 Number: 4 Pages: 1007-9

CODEN: EJIMAF

ISSN: 0014-2980

Language: English

4/3/18 (Item 16 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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119268704 CA: 119(25)268704a JOURNAL

Interleukin-10 inhibits the induction of monocyte procoagulant activity by bacterial lipopolysaccharide

Author: Pradier, Oliver; Gerard, Catherine; Delvaux, Anne; Lybin, Myriam; Abramowicz, Daniel; Capel, Paul; Velu, Thierry; Goldman, Michel

Location: Dep. Immunol., Univ. Libre Bruxelles, Brussels, Belg.

Journal: Eur. J. Immunol.

Date: 1993

Volume: 23 Number: 10 Pages: 2700-2

CODEN: EJIMAF

ISSN: 0014-2980

Language: English

4/3/19 (Item 17 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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119085121 CA: 119(9)85121p JOURNAL

Gene therapy for cancer

Author: Gerard, Catherine; Bruyns, Catherine; Velu, Thierry

Location: Inst. Rech. Interdiscip., Univ. Libre Bruxelles, Brussels, Belg.

Journal: Colloq. INSERM

Date: 1993

Volume: 230 Number: De la Recherche Oncologique a l'Innovation Therapeutique Pages:
91-102

CODEN: CINMDE

ISSN: 0768-3154

Language: English

4/3/20 (Item 18 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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118145843 CA: 118(15)145843s JOURNAL

Preferential activation of Th2 cells in chronic graft-versus-host reaction

Author: De Wit, Dominique; Van Mechelen, Marcelle; Zanin, Carole; Doutrelepon, Jean Marc; Velu, Thierry; Gerard, Catherine; Abramowicz, Daniel; Scheerlinck, Jean Pierre; De Baetselier, Patrick; et al.

Location: Dep. Biol. Mol., Univ. Libre Bruxelles, Belg.

Journal: J. Immunol.

Date: 1993

Volume: 150 Number: 2 Pages: 361-6

CODEN: JOIMA3

ISSN: 0022-1767

Language: English

4/3/21 (Item 19 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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118122838 CA: 118(13)122838e JOURNAL

T helper type 2-like cells and therapeutic effects of interferon- γ . in combined immunodeficiency with hypereosinophilia (Omenn's syndrome)

Author: Schandene, Liliane; Ferster, Alina; Mascart-Lemone, Francoise; Crusiaux, Alain; Gerard, Catherine; Lybin, Myriam; Velu, Thierry; Sariban, Eric; Goldman, Michel

Location: Dep. Immunol., Hop. Erasme, B-1070, Brussels, Belg.

Journal: Eur. J. Immunol.

Date: 1993

Volume: 23 Number: 1 Pages: 56-60

CODEN: EJIMAF

ISSN: 0014-2980

Language: English

4/3/22 (Item 20 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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118079120 CA: 118(9)79120a JOURNAL

In vivo induction of interleukin 10 by anti-CD3 monoclonal antibody or bacterial lipopolysaccharide: differential modulation by cyclosporin A

Author: Durez, Patrick; Abramowicz, Daniel; Gerard, Catherine; Van Mechelen, Marcelle; Amraoui, Zoulikha; Dubois, Christine; Leo, Oberdan; Velu, Thierry ; Goldman, Michel

Location: Lab. Pluridiscipl. Rech. Exp. Biomed., Hop. Erasme, B-1070, Brussels, Belg.

Journal: J. Exp. Med.

Date: 1993

Volume: 177 Number: 2 Pages: 551-5

CODEN: JEMEAV

ISSN: 0022-1007

Language: English

4/3/23 (Item 21 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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118079119 CA: 118(9)79119g JOURNAL

Interleukin 10 reduces the release of tumor necrosis factor and prevents lethality in experimental endotoxemia

Author: Gerard, Catherine; Bruyns, Catherine; Marchant, Arnaud; Abramowicz, Daniel; Vandenabeele, Peter; Delvaux, Anne; Fiers, Walter; Goldman, Michel; Velu, Thierry

Location: Inst. Rech. Interdiscip., Univ. Libre Bruxelles, B-1070, Brussels, Belg.

Journal: J. Exp. Med.

Date: 1993

Volume: 177 Number: 2 Pages: 547-50

CODEN: JEMEAV

ISSN: 0022-1007

Language: English

4/3/24 (Item 22 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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116188316 CA: 116(19)188316y JOURNAL

Differential regulation of thyrotropin receptor and thyroglobulin mRNA accumulation at the cellular level: an in situ hybridization study

Author: Pohl, Viviane; Maenhaut, Carine; Gerard, Catherine; Vassart, Gilbert; Dumont, Jacques E.

Location: Fac. Med., Univ. Libre Bruxelles, B-1070, Brussels, Belg.

Journal: Exp. Cell Res.

Date: 1992

Volume: 199 Number: 2 Pages: 392-7

CODEN: ECREAL

ISSN: 0014-4827

Language: English

4/3/25 (Item 23 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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115065345 CA: 115(7)65345d JOURNAL

The orphan receptor cDNA RDC7 encodes an A1 adenosine receptor

Author: Libert, Frederick; Schiffmann, Serge N.; Lefort, Anne; Parmentier, Marc; Gerard, Catherine; Dumont, Jacques E.; Vanderhaeghen, Jean Jacques; Vassart, Gilbert

Location: Fac. Med., Univ. Libre de Bruxelles, 1070, Brussels, Belg.

Journal: EMBO J.

Date: 1991

Volume: 10 Number: 7 Pages: 1677-82

CODEN: EMJODG

ISSN: 0261-4189

Language: English

4/3/26 (Item 24 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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113185057 CA: 113(21)185057s JOURNAL

Stable expression of the human TSH receptor in CHO cells and characterization of differentially expressing clones

Author: Perret, Jason; Ludgate, Marian; Libert, Frederick; Gerard, Catherine; Dumont, Jacques E.; Vassart, Gilbert; Parmentier, Marc

Location: Fac. Med., Univ. Lib. Bruxelles, 1070, Brussels, Belg.

Journal: Biochem. Biophys. Res. Commun.

Date: 1990

Volume: 171 Number: 3 Pages: 1044-50

CODEN: BBRCA9

ISSN: 0006-291X

Language: English

4/3/27 (Item 25 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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113166577 CA: 113(19)166577v JOURNAL

The poly(purine) poly(pyrimidine) sequence in the 5' end of the thyroglobulin gene used as a probe, identifies a DNA fingerprint in man

Author: Gerard, Catherine; Christophe, Daniel; Compere, Thierry; Vassart, Gilbert

Location: Fac. Med., Univ. Libre Bruxelles, 1070, Brussels, Belg.

Journal: Nucleic Acids Res.

Date: 1990

Volume: 18 Number: 14 Pages: 4297

CODEN: NARHAD

ISSN: 0305-1048

Language: English

4/3/28 (Item 26 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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113053366 CA: 113(7)53366g JOURNAL

Cloning, sequencing and expression of the human thyrotropin (TSH) receptor: evidence for binding of autoantibodies

Author: Libert, Frederick; Lefort, Anne; Gerard, Catherine; Parmentier, Marc; Perret, Jason; Ludgate, Marian; Dumont, Jacques E.; Vassart, Gilbert

Location: Fac. Med., Univ. Libre Brussels, 1070, Brussels, Belg.

Journal: Biochem. Biophys. Res. Commun.

Date: 1989

Volume: 165 Number: 3 Pages: 1250-5

CODEN: BBRCA9

ISSN: 0006-291X

Language: English

4/3/29 (Item 27 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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112093172 CA: 112(11)93172b JOURNAL

Molecular cloning of a dog thyrotropin (TSH) receptor variant

Author: Libert, Frederick; Parmentier, Marc; Maenhaut, Carine; Lefort, Anne; Gerard, Catherine; Perret, Jason; Van Sande, Jacqueline; Dumont, Jacques E. ; Vassart, Gilbert

Location: IRIBHN, Univ. Libre Bruxelles, 1070, Brussels, Belg.

Journal: Mol. Cell. Endocrinol.

Date: 1990

Volume: 68 Number: 1 Pages: R15-R17

CODEN: MCEND6

ISSN: 0303-7207

Language: English

4/3/30 (Item 28 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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110089714 CA: 110(11)89714w JOURNAL

Thyroid-specific and cAMP-dependent hypersensitive regions in thyroglobulin gene chromatin

Author: Hansen, Carole; Gerard, Catherine; Vassart, Gilbert; Stordeur, Patrick; Christophe, Daniel

Location: Inst. Rech. Interdiscipl. Biol. Hum. Nucl., Univ. Lib. Bruxelles, B-1070, Brussels, Belg.

Journal: Eur. J. Biochem.

Date: 1988

Volume: 178 Number: 2 Pages: 387-93

CODEN: EJBCAI

ISSN: 0014-2956

Language: English

4/3/31 (Item 29 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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107127213 CA: 107(15)127213e JOURNAL

Control of thyroglobulin gene transcription by TSH and cAMP

Author: Vassart, Gilbert; Christophe, Daniel; Hansen, Carole; Juvenal, Guillermo; Gerard, Catherine; Roger, Pierre

Location: Sch. Med., Free Univ. Brussels, 1070, Brussels, Belg.

Journal: Int. Congr. Ser. - Excerpta Med.

Date: 1987

Volume: 735 Number: Calcium Regul. Bone Metab. Pages: 748-52

CODEN: EXMDA4

ISSN: 0531-5131

Language: English

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Ref  Items  Index-term
E1      6  AU=JONAK, Z. L.
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E3     31  AU=JONAK, ZDENKA L.
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98, 135, 144, 149, 155, 156, 159, 162, 164, 172, 266, 369, 370, 399,
434, 444, 467
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91, 98, 135, 144, 149, 155, 156, 159, 162, 164, 172, 266, 369, 370, 399,
434, 444, 467
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6/3/1 (Item 1 from file: 399) [Links](#)

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142278393 CA: 142(15)278393n JOURNAL

Cantuzumab mertansine, a maytansinoid immunoconjugate directed to the CanAg antigen: a phase I, pharmacokinetic, and biologic correlative study

Author: Tolcher, Anthony W.; Ochoa, Leonel; Hammond, Lisa A.; Patnaik, Amita; Edwards, Tam; Takimoto, Chris; Smith, Lon; de Bono, Johann; Schwartz, Garry ; Mays, Theresa; Jonak, Zdenka L.; Johnson, Randall; DeWitte, Mark; Martino, Helen; Audette, Charlene; Maes, Kate; Chari, Ravi V. J.; Lambert, John M.; Rowinsky, Eric K.

Location: Institute for Drug Development, Cancer Therapy and Research Center, The University of Texas Health Science Center at San Antonio, USA

Journal: J. Clin. Oncol.

Date: 2003

Volume: 21 Number: 2 Pages: 211-222

CODEN: JCONDN

ISSN: 0732-183X

Language: English

Publisher: American Society of Clinical Oncology

6/3/2 (Item 2 from file: 399) [Links](#)

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140072161 CA: 140(6)72161k PATENT

Thrombospondin-like anti-angiogenic proteins METH1 and METH2 and cDNAs encoding them and their diagnostic and therapeutic uses

Inventor (Author): Iruela-Arispe, Luisa; Hastings, Gregg A.; Ruben, Steven M.; Jonak, Zdenka L.; Trulli, Stephen H.; Fornwald, James A.; Terrett, Jonathan A.

Location: USA

Assignee: Human Genome Sciences, Inc.

Patent: U.S. Pat. Appl. Publ. ; US 20040002449 A1 Date: 20040101

Application: US 989687 (20011121) *US 318208 (19990525) *US PV144882 (19990720)

*US PV147823 (19990810) *US 373658 (19990813) *US PV171503 (19991222) *US

PV183792 (20000222) *WO 2000US14462 (20000525)

Pages: 369 pp., Cont.-in-part of Appl. No. PCT/US00/14462.

CODEN: USXXCO

Language: English

Patent Classifications:

Class: 514012000; A61K-038/17A; A61K-048/00B

6/3/3 (Item 3 from file: 399) [Links](#)

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138336171 CA: 138(22)336171u JOURNAL

A bicistronic expression system for bacterial production of authentic human interleukin-18

Author: Kirkpatrick, Robert B.; McDevitt, Patrick J.; Matico, Rosalie E.; Nwagwu, Silas; Trulli, Stephen H.; Mao, Joyce; Moore, Dwight D.; Yorke, Adam F.; McLaughlin, Megan M.; Knecht, Kristin A.; Elefante, Louis C.; Calamari, Amy S.; Fornwald, Jim A.; Trill, John J.; Jonak, Zdenka L.; Kane, James; Patel, Pramathesh S.; Sathe, Ganesh M.; Shatzman, Allan R.; Tapley, Peter M.; Johanson, Kyung O.

Location: Department of Gene Expression, Protein Biochemistry, GlaxoSmithKline Pharmaceuticals, King of Prussia, PA, 19406, USA

Journal: Protein Expression Purif.

Date: 2003

Volume: 27 Number: 2 Pages: 279-292

CODEN: PEXPEJ

ISSN: 1046-5928

Publisher Item Identifier: 1046-5928(02)00606-X

Language: English

Publisher: Elsevier Science

6/3/4 (Item 4 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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138054233 CA: 138(5)54233q JOURNAL

Immunopharmacology of recombinant human interleukin-18 in non-human primates

Author: Herzyk, Danuta J.; Soos, Jeanne M.; Maier, Curtis C.; Gore, Elizabeth R.; Narayanan, Padma K.; Nadwodny, Kimberly L.; Liu, Susan; Jonak, Zdenka L.; Bugelski, Peter J.

Location: Department of Safety Assessment, GlaxoSmithKline Pharmaceuticals, King of Prussia, PA, USA

Journal: Cytokine+

Date: 2002

Volume: 20 Number: 1 Pages: 38-48

CODEN: CYTIE9

ISSN: 1043-4666

Language: English

Publisher: Elsevier Science Ltd.

6/3/5 (Item 5 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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137167975 CA: 137(12)167975f JOURNAL

High-dose recombinant interleukin-18 induces an effective Th1 immune response to murine MOPC-315 plasmacytoma

Author: Jonak, Zdenka L.; Trulli, Stephen; Maier, Curtis; McCabe, Francis L.; Kirkpatrick, Robert; Johanson, Kyung; Ho, Yen Sen; Elefante, Louis; Chen, Yi-Jiun; Herzyk, Danuta; Lotze, Michael T.; Johnson, Randall K.

Location: GlaxoSmithKline Pharmaceuticals, King of Prussia, PA, 19406, USA

Journal: J. Immunother.

Date: 2002

Volume: 25 Number: Suppl. 1 Pages: S20-S27

CODEN: JOIMF8

ISSN: 1053-8550

Language: English

Publisher: Lippincott Williams & Wilkins

6/3/6 (Item 6 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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136308237 CA: 136(20)308237k JOURNAL

IL-12 induces monocyte IL-18 binding protein expression via IFN- γ .

Author: Veenstra, Korina G.; Jonak, Zdenka L.; Trulli, Stephen; Gollob, Jared A.

Location: Division of Hematology/Oncology, Beth Israel Deaconess Medical Center,

Department of Medicine, Harvard Medical School, Boston, MA, 02215, USA

Journal: J. Immunol.

Date: 2002

Volume: 168 Number: 5 Pages: 2282-2287

CODEN: JOIMA3

ISSN: 0022-1767

Language: English

Publisher: American Association of Immunologists

6/3/7 (Item 7 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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136052696 CA: 136(4)52696c JOURNAL

Determination of Carbohydrate Structures N-Linked to Soluble CD154 and
Characterization of the Interactions of CD40 with CD154 Expressed in *Pichia pastoris*
and Chinese Hamster Ovary Cells

Author: Khandekar, Sanjay S.; Silverman, Carol; Wells-Marani, Jennifer; Bacon, Alicia M.;
Birrell, Helen; Brigham-Burke, Michael; DeMarini, Douglas J.; Jonak, Zdenka L.; Camilleri,
Patrick; Fishman-Lobell, Jacqueline

Location: Department of Oncology Research, SmithKline Beecham Pharmaceuticals, King
of Prussia, PA, 19406, USA

Journal: Protein Expression Purif.

Date: 2001

Volume: 23 Number: 2 Pages: 301-310

CODEN: PEXPEJ

ISSN: 1046-5928

Language: English

Publisher: Academic Press

6/3/8 (Item 8 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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134309501 CA: 134(22)309501n JOURNAL

Interleukin-18 (IL-18) synergizes with IL-2 to enhance cytotoxicity, interferon- γ production, and expansion of natural killer cells

Author: Son, Young-Ik; Dallal, Ramsey M.; Mailliard, Robbie B.; Egawa, Shinichi; Jonak, Zdenka L.; Lotze, Michael T.

Location: Department of Surgery and Division of Biologic Therapeutics, University of Pittsburgh Cancer Institute, Pittsburgh, PA, 15261, USA

Journal: Cancer Res.

Date: 2001

Volume: 61 Number: 3 Pages: 884-888

CODEN: CNREA8

ISSN: 0008-5472

Language: English

Publisher: American Association for Cancer Research

6/3/9 (Item 9 from file: 399) [Links](#)

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134014035 CA: 134(2)14035n PATENT

METH1 and METH2 polynucleotides encode human anti-angiogenic proteins related to thrombospondin

Inventor (Author): Iruela-Arispe, Luisa; Hastings, Gregg A.; Ruben, Steven M.; Jonak, Zdenka L.; Trulli, Stephen H.; Fornwald, James A.; Terrett, Jonathan A.

Location: USA

Assignee: Human Genome Sciences, Inc.; Smithkline Beecham Corporation; Beth Israel Deaconess Medical Center

Patent: PCT International ; WO 200071577 A1 Date: 20001130

Application: WO 2000US14462 (20000525) *US 318208 (19990525) *US PV144882 (19990720) *US PV147823 (19990810) *US 373658 (19990813) *US PV171503 (19991222) *US PV183792 (20000222)

Pages: 768 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

Class: C07K-014/00A; C12P-021/00B

Designated Countries: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

Designated Regional: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

6/3/10 (Item 10 from file: 399) [Links](#)

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133041935 CA: 133(4)41935s JOURNAL

Identification of unique truncated KC/GRO β chemokines with potent hematopoietic and anti-infective activities

Author: King, Andrew G.; Johanson, Kyung; Frey, Carrie L.; DeMarsh, Peter L.; White, John R.; McDevitt, Patrick; McNulty, Dean; Balcarek, Joanna; Jonak, Zdenka L.; Bhatnagar, Pradip K.; Pelus, Louis M.

Location: Department of Molecular Virology and Host Defense, SmithKline Beecham Pharmaceuticals, Collegeville, PA, 19426, USA

Journal: J. Immunol.

Date: 2000

Volume: 164 Number: 7 Pages: 3774-3782

CODEN: JOIMA3

ISSN: 0022-1767

Language: English

Publisher: American Association of Immunologists

6/3/11 (Item 11 from file: 399) [Links](#)

CA SEARCH(R)

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133016322 CA: 133(2)16322g PATENT

Humanized monoclonal antibodies

Inventor (Author): Johanson, Kyung O.; Jonak, Zdenka L.; Taylor, Alexander H.; Trulli, Stephen H.

Location: USA

Assignee: Smithkline Beecham Corporation

Patent: PCT International ; WO 200031248 A1 Date: 20000602

Application: WO 99US27971 (19991124) *US 199149 (19981124)

Pages: 78 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

Class: C12N-015/00A; C12N-015/11B; A61K-039/395B; C07K-016/00B; C07K-016/18B; C07K-016/28B

Designated Countries: CA; JP; US

Designated Regional: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

6/3/12 (Item 12 from file: 399) [Links](#)

CA SEARCH(R)

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130321595 CA: 130(24)321595w PATENT

Cloning and cDNA sequence of human integrin ligand ITGL-TSP

Inventor (Author): Jonak, Zdenka L.; Trulli, Stephen H.; Fornwald, James A.; Hastings, Gregg A.; Terrett, Jonathon A.

Location: USA

Assignee: SmithKline Beecham Corp.; SmithKline Beecham PLC; Human Genome Sciences, Inc.

Patent: Canada Pat Appl ; CA 2228743 AA Date: 19981024

Application: CA 2228743 (19980416)

Pages: 39 pp.

CODEN: CPXXEB

Language: English

Patent Classifications:

Class: C12N-015/57A; A61K-048/00B; C12Q-001/37B; C07K-016/40B; G01N-033/573B; C12N-009/64B; C12Q-001/68B; A61K-031/70B

6/3/13 (Item 13 from file: 399) [Links](#)

CA SEARCH(R)

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130012150 CA: 130(2)12150q PATENT

Human mindin, an integrin ligand, for screening of drugs for treatment of angiogenic diseases

Inventor (Author): Jonak, Zdenka L.; Trulli, Stephen H.; Tsui, Ping; Lane, Pamela A.

Location: USA

Assignee: Smithkline Beecham Corp.

Patent: PCT International ; WO 9850073 A1 Date: 19981112

Application: WO 98US9476 (19980507) *US 46106 (19970509)

Pages: 39 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

Class: A61K-039/395A; A61K-048/00B; C07H-021/04B; C07K-014/435B; C07K-014/705B; C07K-016/00B; C07K-016/28B; C12N-015/11B; C12N-015/63B; G01N-033/53B

Designated Countries: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GE; GH; GM; GW; HU; ID; IL; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

Designated Regional: GH; GM; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

6/3/14 (Item 14 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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129301092 CA: 129(23)301092f JOURNAL

Osteopontin and its integrin receptor $\alpha_5\beta_3$ are upregulated during formation of the glial scar after focal stroke

Author: Ellison, Julie A.; Velier, James J.; Spera, Patricia; Jonak, Zdenka L.; Wang, Xinkang; Barone, Frank C.; Feuerstein, Giora Z.

Location: SmithKline Beecham Pharmaceuticals, King of Prussia, PA, 19406, USA

Journal: Stroke

Date: 1998

Volume: 29 Number: 8 Pages: 1698-1707

CODEN: SJCCA7

ISSN: 0039-2499

Language: English

Publisher: Williams & Wilkins

6/3/15 (Item 15 from file: 399) [Links](#)

CA SEARCH(R)

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129259333 CA: 129(20)259333h PATENT

Anti-alphavbeta3 humanized monoclonal antibodies

Inventor (Author): Jonak, Zdenka L.; Johanson, Kyung O.; Taylor, Alexander H.

Location: USA

Assignee: Smithkline Beecham Corp.

Patent: PCT International ; WO 9840488 A1 Date: 19980917

Application: WO 98US4987 (19980312) *US 39609 (19970312)

Pages: 97 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

Class: C12N-015/13A; C07K-016/28B; C12N-005/20B; A61K-039/395B; G01N-033/577B; G01N-033/68B

Designated Countries: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GE; GH; GM; GW; HU; ID; IL; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

Designated Regional: GH; GM; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

6/3/16 (Item 16 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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124257820 CA: 124(19)257820n JOURNAL

Successful in vitro antigen-dependent activation of 24-hour-old peripheral blood lymphocytes

Author: Owen, Judith A.; Muirhead, Katherine; Jensen, Colleen; Jonak, Zdenka L.

Location: Department of Molecular Immunology, SmithKline Beecham Pharmaceuticals, King of Prussia, PA, 10406, USA

Journal: J. Immunol. Methods

Date: 1996

Volume: 190 Number: 1 Pages: 39-49

CODEN: JIMMBG

ISSN: 0022-1759

Language: English

6/3/17 (Item 17 from file: 399) [Links](#)

CA SEARCH(R)

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124084885 CA: 124(7)84885g PATENT

Human lymphoid cells expressing human immunodeficiency virus envelope protein gp160

Inventor (Author): Jonak, Zdenka L.; Debouck, Christine; Clark, Robert; Trulli, Stephen

Location: USA

Assignee: SmithKline Beecham Corp.

Patent: United States ; US 5462872 A Date: 951031

Application: US 134128 (931008) *US 587011 (900924) *US 906613 (920630)

Pages: 10 pp. Cont. of U.S. Ser. No. 906,613.

CODEN: USXXAM

Language: English

Patent Classifications:

Class: 435240200; C12N-005/22A

6/3/18 (Item 18 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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121032714 CA: 121(3)32714u JOURNAL

A human lymphoid recombinant cell line with functional human immunodeficiency virus type 1 envelope

Author: Jonak, Zdenka L.; Clark, Robert K.; Matour, Deborah; Trulli, Steve; Craig, Robert; Henri, Edward; Lee, Elizabeth V.; Greig, Russell; Debouck, Christine

Location: Dep. Cell. Biochem. Immunol., SmithKline Beecham Pharm., King of Prussia, PA, 19406-2799, USA

Journal: AIDS Res. Hum. Retroviruses

Date: 1993

Volume: 9 Number: 1 Pages: 23-32

CODEN: ARHRE7

ISSN: 0889-2229

Language: English

6/3/19 (Item 19 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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119115250 CA: 119(11)115250z JOURNAL

Physicochemical dissociation of CD4-mediated syncytium formation and shedding of human immunodeficiency virus type 1 gp120

Author: Fu, Yung Kang; Hart, Timothy K.; Jonak, Zdenka L.; Bugelski, Peter J.

Location: SmithKline Beecham Pharm., King of Prussia, PA, 19406-0939, USA

Journal: J. Virol.

Date: 1993

Volume: 67 Number: 7 Pages: 3818-25

CODEN: JOVIAM

ISSN: 0022-538X

Language: English

6/3/20 (Item 20 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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115253540 CA: 115(23)253540n JOURNAL

Generation of antibodies against recombinant HIV-gp120 antigen through a novel immunization procedure

Author: Matour, Deborah L.; Clark, Robert K.; Jonak, Zdenka L.

Location: Dep. Cell Sci., SmithKline Beecham Pharm., King of Prussia, PA, 19406-2799, USA

Journal: J. Immunol. Methods

Date: 1991

Volume: 140 Number: 1 Pages: 135-8

CODEN: JIMMBG

ISSN: 0022-1759

Language: English

6/3/21 (Item 21 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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110052308 CA: 110(7)52308r JOURNAL

Gene transfer from targeted liposomes to specific lymphoid cells by electroporation

Author: Machy, Patrick; Lewis, Florence; McMillan, Lynette; Jonak, Zdenka L.

Location: Dep. Cell Biol., Smith Kline and French Lab., King of Prussia, PA, 19406-2799, USA

Journal: Proc. Natl. Acad. Sci. U. S. A.

Date: 1988

Volume: 85 Number: 21 Pages: 8027-31

CODEN: PNASA6

ISSN: 0027-8424

Language: English

6/3/22 (Item 22 from file: 399) [Links](#)

CA SEARCH(R)

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107005797 CA: 107(1)5797c PATENT

Continuous lymphocyte cell lines, their production and use

Inventor (Author): Kennett, Roger H.; Jonak, Zdenka L.

Location: USA

Assignee: University of Pennsylvania

Patent: United States ; US 4652522 A Date: 870324

Application: US 510825 (830705)

Pages: 6 pp.

CODEN: USXXAM

Language: English

Patent Classifications:

Class: 435068000; C12P-021/00A; C12N-005/00B; C12N-015/00B; C12R-001/91B

6/3/23 (Item 23 from file: 399) [Links](#)

CA SEARCH(R)

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102161506 CA: 102(19)161506j CONFERENCE PROCEEDING

Methods for transfection of human DNA into primary mouse lymphocytes and
NIH/3T3 mouse fibroblasts

Author: Jonak, Zdenka L.; Kennett, Roger H.

Location: Sch. Med., Univ. Pennsylvania, Philadelphia, PA, 19104, USA

Journal: Monoclonal Antibodies Funct. Cell Lines

Editor: Kennett, Roger H. (Ed), Bechtol, Kathleen B. (Ed), McKearn, Thomas J (Ed),

Date: 1984

Pages: 418-22

CODEN: 53JYAX

Language: English

Publisher: Plenum , New York, N. Y

6/3/24 (Item 24 from file: 399) [Links](#)

CA SEARCH(R)

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102161185 CA: 102(19)161185d CONFERENCE PROCEEDING
Monoclonal antibodies and molecular genetics. Oncogenes and oncogene products
Author: Kennett, Roger R.; Jonak, Zdenka L.; Ikegaki, Naohiko
Location: Sch. Med., Univ. Pennsylvania, Philadelphia, PA, 19104, USA
Journal: Monoclonal Antibodies Funct. Cell Lines
Editor: Kennett, Roger H. (Ed), Bechtol, Kathleen B. (Ed), McKearn, Thomas J (Ed),
Date: 1984
Pages: 311-40
CODEN: 53JYAX
Language: English
Publisher: Plenum , New York, N. Y

6/3/25 (Item 25 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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101206921 CA: 101(23)206921p JOURNAL

Production of continuous mouse plasma cell lines by transfection with human leukemia DNA

Author: Jonak, Zdenka L.; Braman, Virginia; Kennett, Roger H.

Location: Sch. Med., Univ. Pennsylvania, Philadelphia, PA, 19104, USA

Journal: Hybridoma

Date: 1984

Volume: 3 Number: 2 Pages: 107-18

CODEN: HYBRDY

ISSN: 0272-457X

Language: English

6/3/26 (Item 26 from file: 399) [Links](#)

CA SEARCH(R)

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99120402 CA: 99(15)120402y CONFERENCE PROCEEDING

Analysis of cell surface molecules on human neuroblastoma cells and leukemia cells

Author: Kennett, Roger H.; Jonak, Zdenka L.; Momoi, Mariko; Glick, Catherine; Lampson, Lois A.

Location: Sch. Med., Univ. Pennsylvania, Philadelphia, PA, 19104, USA

Journal: Monoclonal Antibodies Drug Dev., Proc. John Jacob Abel Symp. Drug Dev., 1st

Editor: August, J. Thomas (Ed),

Date: 1982

Pages: 91-107

CODEN: 50AUAP

Language: English

Meeting Date: 810000

Publisher: Am. Soc. Pharmacol. Exp. Ther. , Bethesda, Md

6/3/27 (Item 27 from file: 399) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

CA SEARCH(R)

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96016615 CA: 96(3)16615x JOURNAL

Kinetic studies of the fatty acid synthetase multienzyme complex from *Euglena gracilis* variety *bacillaris*

Author: Walker, Theresa A.; Jonak, Zdenka L.; Worsham, Lesa M. S.; Ernst-Fonberg, Mary Lou

Location: Dep. Biochem., East Tennessee State Univ., Johnson City, TN, 37614, USA

Journal: Biochem. J.

Date: 1981

Volume: 199 Number: 2 Pages: 383-92

CODEN: BIJOAK

ISSN: 0306-3275

Language: English

6/3/28 (Item 28 from file: 399) [Links](#)

CA SEARCH(R)

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93147829 CA: 93(15)147829f CONFERENCE PROCEEDING

Isolation of monoclonal antibodies from supernatant by ammonium sulfate precipitation

Author: Jonak, Zdenka L.

Location: Wistar Inst. Anat. Biol., Philadelphia, PA, 19104, USA

Journal: Monoclonal Antibodies

Editor: Kennett, Roger H. (Ed), McKearn, Thomas J. (Ed), Bechtol, Kathleen B (Ed),

Date: 1980

Pages: 405-6

CODEN: 44BZAQ

Language: English

Publisher: Plenum , New York, N. Y

6/3/29 (Item 29 from file: 399) [Links](#)

CA SEARCH(R)

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84027314 CA: 84(5)27314b DISSERTATION

Euglena. Fatty acid synthetase multienzyme complex

Author: Jonak, Zdenka L.

Location: Yale Univ., New Haven, Conn.

Date: 1975

Pages: 205 pp.

CODEN: DABBBA

Language: English

Citation: Diss. Abstr. Int. B 1975, 36(5) 2017

Availability: Xerox Univ. Microfilms, Ann Arbor, Mich., Order No. 75-24,556

6/3/30 (Item 30 from file: 399) [Links](#)

CA SEARCH(R)

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82053226 CA: 82(9)53226c JOURNAL

Comparison of two fatty acid synthetases from *Euglena gracilis* variety *bacillaris*

Author: Ernst-Fonberg, Mary L.; Dubinskas, Frank; Jonak, Zdenka L.

Location: Biol. Dep., Yale Univ., New Haven, Conn.

Journal: Arch. Biochem. Biophys.

Date: 1974

Volume: 165 Number: 2 Pages: 646-55

CODEN: ABBIA4

Language: English

```
? d s
Set      Items  Description
S1        40    AU='BRUCK, CLAUDINE' FROM 5, 34, 35, 45, 65, 71, 73, 91,
98, 135, 144, 149, 155, 156, 159, 162, 164, 172, 266, 369, 370, 399,
434, 444, 467
S2        38    RD (unique items)
S3        33    AU='GERARD, CATHERINE' FROM 5, 34, 35, 45, 65, 71, 73,
91, 98, 135, 144, 149, 155, 156, 159, 162, 164, 172, 266, 369, 370, 399,
434, 444, 467
S4        31    RD (unique items)
S5        31    AU='JONAK, ZDENKA L.' FROM 5, 34, 35, 45, 65, 71, 73,
91, 98, 135, 144, 149, 155, 156, 159, 162, 164, 172, 266, 369, 370, 399,
434, 444, 467
S6        30    RD (unique items)
```

```
? s s6 and s4 and s2
          30    S6
          31    S4
          38    S2
S7        0    S S6 AND S4 AND S2
```

```
? s il (w) 18
          1448205 IL
          3450007 18
S8        20367 S IL (W) 18
; s cpg
S9        78594 S CPG
; s cancer
S10       5673314 S CANCER
; s tumor or tumour
Processing
Processing
          5239006 TUMOR
          747319  TUMOUR
S11       5675792 S TUMOR OR TUMOUR
; s antigen
S12       2462974 S ANTIGEN
; s mage
S13       8249   S MAGE
```

```
? d s
Set      Items  Description
S1        40    AU='BRUCK, CLAUDINE' FROM 5, 34, 35, 45, 65, 71, 73, 91,
98, 135, 144, 149, 155, 156, 159, 162, 164, 172, 266, 369, 370, 399,
434, 444, 467
S2        38    RD (unique items)
S3        33    AU='GERARD, CATHERINE' FROM 5, 34, 35, 45, 65, 71, 73,
91, 98, 135, 144, 149, 155, 156, 159, 162, 164, 172, 266, 369, 370, 399,
434, 444, 467
S4        31    RD (unique items)
S5        31    AU='JONAK, ZDENKA L.' FROM 5, 34, 35, 45, 65, 71, 73,
91, 98, 135, 144, 149, 155, 156, 159, 162, 164, 172, 266, 369, 370, 399,
434, 444, 467
S6        30    RD (unique items)
S7        0    S S6 AND S4 AND S2
S8        20367 S IL (W) 18
```

```

S9      78594      S CPG
S10     5673314    S CANCER
S11     5675792    S TUMOR OR TUMOUR
S12     2462974    S ANTIGEN
S13      8249      S MAGE

?  s s8 and s9 and s12
      20367      S8
      78594      S9
      2462974    S12
S14      50      S S8 AND S9 AND S12

?  s s14 and (s10 or s11)
      50      S14
      5673314    S10
      5675792    S11
S15      13      S S14 AND (S10 OR S11)

?  s s13 an ds15
>>>W: Term "AN" in invalid position
>>>E: There is no result

?  s s13 and s15
      8249      S13
      13      S15
S16      0      S S13 AND S15

?  s s15
S17      13      S S15

?  rd
S18      12      RD (UNIQUE ITEMS)

?  t s18/k/all
>>>W: KWIC option is not available in file(s): 399

```

18/K/1 (Item 1 from file: 5) [Links](#)

Biosis Previews(R)

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Multi-vaccine SEVINA composed of vinorelbine apoptotic tumour cell lysate (VATCL), cationic colloidal 25 mer ISS CpG oligonucleotide (ODN) adjuvant and recombinant chaperone GRP94/gp96+HER2 differentiation antigen vaccine induces formation of exosomes from APCs and humoral cellular immune responses leading to vaccine induced apoptosis (VIA) in chemoresistant distal breast, lung, prostate and ovarian cancer

DESCRIPTORS:

Diseases: breast cancer--... ..ovarian cancer--... ..lung cancer--... ..prostate cancer--

Chemicals & Biochemicals: ...TNF-alpha {tumor necrosis factor-alpha... ..IL-18; ...
 ...vinorelbine apoptotic tumor cell lysate... ..colloidal 25 mer immunostimulatory
 sequences CpG oligonucleotide adjuvant... ..recombinant chaperone
 GRP94/gp96+HER2 differentiation antigen--

18/K/2 (Item 1 from file: 34) [Links](#)

SciSearch(R) Cited Ref Sci

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Abstract: ...by human immune cells, including the upregulation of inflammatory and Th1-related cytokines (IFN-gamma, tumor necrosis factor alpha [TNF-a], interleukin 6 [IL-6], IL-8, IL-12, and IL-18) as well as anti-inflammatory and Th2-related cytokines (IL-4, IL-10, and IL... ...to be the effective components of the preparation. The virus particles activate monocytes or other antigen-presenting cells (APC), e.g., plasmacytoid dendritic cells, through signaling over CD14 and a Toll... ...IL-6, and IL-8) as well as the Th1-related cytokines IL-12 and IL -18. Both IL-18 and IL-12 are involved in PPVO-mediated IFN-gamma release by T cells and...

Identifiers-- ...RECEPTORS; NATURAL-KILLER-CELLS; HEPATITIS-B-VIRUS; INTERFERON RESISTANCE; MACROPHAGE ACTIVATION; ANTIVIRAL ACTIVITY; GAMMA PRODUCTION; CPG DNA; POXVIRUSES; HOMOLOG

18/K/3 (Item 1 from file: 73) [Links](#)

EMBASE

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Combined stimulation with interleukin-18 and CpG induces murine natural killer dendritic cells to produce IFN-gamma and inhibit tumor growth

...tumors. Based on our previous finding that the combination of Toll-like receptor 9 ligand CpG and interleukin (IL)-4 stimulates NKDC to produce IFN-gamma, we hypothesized that NKDC are... NKDC accounted for the majority of IFN-gamma production by murine spleen CD11c SUP + cells. IL-18 alone induced NKDC to secrete IFN-gamma, and the combination of IL-18 and CpG resulted in a synergistic increase in IFN-gamma production, both in vitro and in vivo... 12. NKDC selectively proliferated in vitro and in vivo in response to the combination of IL-18 and CpG. Systemic treatment with IL-18 and CpG reduced the number of B16F10 melanoma lung metastases. The mechanism depended on NK1.1 SUP + cells, as their depletion abrogated the effect. IL-18 and CpG activated NKDC provided greater tumor protection than NK cells in IFN-gamma SUP -/- mice. Thus, NKDC are the major dendritic cell subtype to produce IFN-gamma, The combined use of IL-18 and CpG is a viable strategy to potentiate the antitumor function of NKDC. (c)2006 American Association for Cancer Research.

Drug Descriptors:

* CpG oligodeoxynucleotide--drug combination--cb; *CpG oligodeoxynucleotide--drug dose--do; *CpG oligodeoxynucleotide--drug interaction--it; *CpG oligodeoxynucleotide--intraperitoneal drug administration--ip; *CpG oligodeoxynucleotide--pharmacology--pd; * interleukin 18--drug combination--cb; *interleukin 18--drug dose--do; * interleukin 18...

CD11 antigen; gamma interferon; interleukin 12--drug combination--cb ; interleukin 12--pharmacology--pd

Medical Descriptors:

animal cell; animal experiment; animal model; animal tissue; article; cancer inhibition; cell proliferation; cell protection; controlled study; dose response; drug effect; drug potentiation; in vitro...

SECTION HEADINGS:

Cancer

Clinical and Experimental Pharmacology

Drug Literature Index

18/K/4 (Item 2 from file: 73) [Links](#)

EMBASE

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C-Class CpG ODN: Sequence requirements and characterization of immunostimulatory activities on mRNA level

Synthetic oligodeoxynucleotides (ODN) containing unmethylated deoxycytosine-deoxyguanosine (CpG) motifs are very potent inducers of the innate immune system, mimicking the effects of bacterial DNA. CpG ODN are recognized by Toll-like receptor 9 (TLR9). Three classes of TLR9 agonists have been described: B-Class CpG ODN that induce strong B- and NK-cell activation and A-Class ODN that induce... ..alpha-producing capacity. Kinetic studies on mRNA level for CD69, IFN-gamma, IP-10 and IL-18 by semi-quantitative PCR demonstrated differences in mRNA transcription for some cytokines suggesting different regulatory... ..classes. High amounts of IP-10 mRNA and protein as well as up-regulation of IL-18 mRNA were observed especially for the A- and C-Classes. According to these data, C... ..10 production and strong NK activation. These characteristics can be availed to induce potent anti-tumor or anti-viral effects. Consequently, C-Class CpG ODN represent ideal drug candidates for anti-viral and/or anti-tumor therapy. (c) 2004 Elsevier GmbH. All rights reserved.

Drug Descriptors:

bacterial DNA; CD69 antigen--endogenous compound--ec; cpg 10101; cytosine; deoxyguanosine; gamma interferon--endogenous compound--ec; gamma interferon inducible protein 10--endogenous compound...

...TEXT: APM-exposed DCs secreted less IL-12 and IL-6 but exhibited increased secretion of IL-18 and IL-10 compared with LPS stimulation. A T(H)2-like pattern of cytokine...

...interfering with dendritic cell differentiation and cytokine production.
"Dendritic cells (DCs) are the most potent antigen-presenting cells that initiate and regulate immune responses. They are unique in their feature to...

...in the presence and absence of resting or activated PLTs. DC differentiation, maturation, allostimulatory capacity, antigen uptake, and cytokine profile were estimated to control group," said K. Kissel and colleagues at...

...according to CD1a expression (mean reduction, 62%; $p < 0.05$). Production of IL-12p70 and tumor necrosis factor- α was reduced in the presence of resting (mean reduction, 46 and 55...

...immunoregulatory cytokine IL-10 by DCs (mean increase, 52%; $p < 0.05$). DC allostimulatory capacity, antigen uptake, and phenotypic maturation remained unaffected." Kissel concluded, "It is proposed that intact PLTs connect...

... and human pDCs do not express Md. "To explore this process, pDCs were activated with CpG oligodeoxyribonucleotides, which stimulated the secretion of several cytokines such as type I and TNF- α ...

Studies from the United States and Japan describe new findings in cancer treatment research

TEXT: Investigators in the United States and Japan have published new cancer treatment data.

Study 1: A MUC1/IL-18 DNA vaccine induces anti-tumor immunity and increased survival in MUC1 transgenic mice.

According to recent research published in the journal Vaccine , "MUC1 (mucin 1) is a tumor-associated antigen that is overexpressed in many adenocarcinomas. Active immunotherapy targeting tumors expressing MUC1 could have great...

...MUC1 DNA vaccines were evaluated in MUC1 transgenic (MUC1.Tg) mice challenged with MC38/MUC1+ tumor cells," said Linda A. Snyder and colleagues at Centocor Inc. "Vaccination with MUC1 plasmid DNA (pMUC1) alone was insufficient to induce tumor protection. However, co-administration of pMUC1 with a plasmid encoding murine interleukin-18 (pmuIL-18) resulted in significant tumor protection and survival after tumor challenge."

"Protection was durable in the absence of additional vaccination, as demonstrated by continued protection of vaccinated mice following tumor rechallenge," the researchers reported. "Mice surviving challenges with MC38/MUC1+ cells showed significant protection after challenge with MUC1-MC38 tumor cells, suggesting that these mice had developed immune responses to epitopes shared between the tumor cell lines. Antibody-mediated depletion of lymphocyte subsets demonstrated that protection was due largely to...

...tolerance to MUC1 and induce an immune response capable of mediating both significant protection from tumor challenge and increased survival."

Snyder and her coauthors published their study in Vaccine (A MUC1/IL-18 DNA vaccine induces anti-tumor immunity and increased survival in MUC1 transgenic mice. Vaccine,

2006;24(16):3340-3352).

For...

...145 King of Prussia Road, Radnor, PA 19087, USA.

LSnyder2@centus.jnj.com.

Study 2: Cancer immunotherapy using a dendritic/tumor-fusion vaccine induces elevation of serum anti-nuclear antibody with good clinical responses.

"Dendritic cell (DC) vaccines might induce both anti-tumor immunity and autoimmunity. In this report, we demonstrate elevated levels of anti-nuclear antibody (ANA) in the sera of patients with cancer who had received immunotherapy with a dendritic/tumor-fusion vaccine," stated investigators in Japan.

"Twenty-two patients were treated with DC vaccine of fusion cells composed of autologous DCs and tumor cells (DC/tumor-fusion vaccine), which was generated by treating each cell type with polyethylene glycol," said Sadamu...

...colleagues at Jikei University. "Nine of the 22 patients were treated with both the DC/tumor-fusion vaccine and systemic administration of recombinant human interleukin (rhIL)-12. Serum levels of ANA...

...enzyme-linked immunosorbent assay kit."

They reported, "One patient with gastric carcinoma (patient 1, DC/tumor-fusion vaccine alone), one patient with breast cancer (patient 2, DC/tumor-fusion vaccine alone) and one patient with ovarian cancer (patient 3, DC/tumor-fusion vaccine + rhIL-12) showed significant elevations of serum ANA levels during treatment. In patient 1, malignant ascitic effusion resolved and serum levels of tumor markers decreased. Patients 2 and 3 remained in good physical condition during treatment for 24 and 9 months, respectively."

"Immunoblot analysis indicated antibody responses to autologous tumor cells after vaccination in patient 2. None of the treated patients showed clinical symptoms suggesting...

...those without it," the authors noted.

They concluded, "Elevated serum levels of ANA after DC/tumor-fusion cell vaccine might be associated with anti-tumor immune response induced by the vaccination."

Homma and associates published their study in Clinical and Experimental Immunology (Cancer immunotherapy using dendritic/tumor-fusion vaccine induces elevation of serum anti-nuclear antibody with better clinical responses. Clin Exp...

...Japan. sahya@jikei.ac.jp.

Study 3: According to a study from the United States, CpG oligonucleotides enhance the tumor antigen-specific immune response of an anti-idiotypic (Id) antibody-based vaccine strategy in carcinoembryonic antigen (CEA) transgenic mice.

"A murine monoclonal anti-Id antibody, 3H1 has been developed and characterized...

...Id 3H1 mimics a specific epitope of CEA and can be used as a surrogate antigen for CEA. 3H1 induced anti-CEA immunity in different species of animals as well as...

...showed promise as a potential vaccine candidate in phase I/II clinical trials for colon cancer patients," wrote A. Saha and colleagues, University of Cincinnati.

They explained, "One area of interest...
...the development of new immune adjuvants that may augment the potency of 3H1 as a tumor vaccine. Oligodeoxynucleotides containing unmethylated CpG motifs (CpG ODN) are potent immunostimulatory agents capable of enhancing the Ag-specific Th1 response when used as immune adjuvants. In this study, we have evaluated the efficacy of 3H1 as a tumor vaccine when admixed with a select CpG ODN 1826 in transgenic mice that express human CEA. The vaccine potential of 3H1 was...

...in each adjuvant-treated group of mice, whereas cellular immune responses were significantly greater when CpG was used as an adjuvant. Splenocytes obtained from 3H1-CpG-immunized mice showed an increased proliferative CD4+ Th1-type T-cell response when stimulated in...

...cytokines (IL-2, IFN-gamma)," wrote the researchers.

"This vaccine also induced MHC class I antigen-restricted CD8+ T-cell responses. In a solid tumor model, C15 tumor growth

was significantly inhibited by 3H1 vaccinations. In 3H1-CpG-vaccinated mice, the duration of survival was, however, longer compared to the 3H1-QS21-vaccinated mice," Saha and coinvestigators wrote.

The researchers concluded, "These findings suggest that 3H1-CpG vaccinations can break peripheral tolerance to CEA and induce protective antitumor immunity in this murine model transgenic for human CEA."

Saha and colleagues published the results of their research in Cancer Immunology Immunotherapy (CpG oligonucleotides enhance the tumor antigen-specific immune response of an anti-idiotypic antibody-based vaccine strategy in CEA transgenic mice. Cancer Immunol Immunother, 2006;55(5):515-527).

For additional information, contact A. Saha, University of...

...Avenue, Cincinnati, OH 45267, USA.

Keywords: Cincinnati, Ohio, United States, Anti-Idiotypic Antibodies, Biological Therapy, Cancer Vaccines, Carcinoembryonic Antigen, Colon Cancer, CpG-Oligonucleotides, Transgenic Mice.

This article was prepared by Biotech Business Week editors from staff and...

DESCRIPTORS: Anti-Idiotypic Antibodies; Biological Therapy; Cancer Treatment; Cancer Vaccine; Cancer Vaccines; Carcinoembryonic Antigen; Cincinnati; Colon Cancer; CpG-Oligonucleotides; ImCentocor, U.S.; Ohio; Oncology; Transgenic Mice; United States; Vaccination; All News
SUBJECT HEADING: Cancer Treatment

...response involving a variety of cytokines, including interleukin (IL)-1, IL-6, IL-8, and tumor necrosis factor (TNF)-(alpha), and the subsequent massive recruitment and activation of neutrophils in the...

...and harmful response. Bacterial endotoxin and prokaryotic DNA can strongly induce IL-12 production by antigen-presenting cells, leading to the elaboration of interferon (IFN)-(gamma), IL-18, and other mediators. These mediators, many of which are transduced through one of the conserved...

...however, the promotion of "regulatory" responses (e.g., regulatory CD(4.sup.+) T-cells and antigen-presenting cells such as dendritic cells and macrophages) has received prominent attention. These cells, when ...

...TR, Lemish JE, Weinstock JV, Thorne PS, et al. 1998.
Modulation of
airway inflammation by CpG oligodeoxynucleotides in a murine
model
of asthma. J Immunol 160(6):2555-2559.
Klintberg B...

...mucosal surfaces consists predominantly of (CD4.sup.+) T cells, secretory immunoglobulin A (S-IgA), and antigen-specific cytotoxic T-lymphocytes (CTLs). This review will focus on the antigen-specific mucosal immune system.

Emerging Pathogens

The major obstacle in combating emerging infectious diseases is...

...specific signals, such as costimulatory molecules, cytokines, and T-helper cells, to give rise to antigen-specific S-IgA Abs in mucosal effector sites.

Neither Th1- nor Th2-type cytokines contributed...

...the switch to IgA, i.e., B-cell activation by cross-linking the B-cell antigen receptor, CD40-CD40L interactions to promote switching, TGF-bd1 by directing the switch to IgA...

...producing cells.

(Figure 2 ILLUSTRATION OMITTED)

T-cell helper functions play important roles in generating antigen-specific humoral and cell-mediated immunity in both systemic and mucosal compartments. The importance of...

...example, intracellular pathogens, such as viruses and intracellular bacteria, induce production of IL-12 or IL-18 by activated macrophages, presumably after ingestion of the particulate pathogen, inducing IFN-gd production in...

...the differentiation of Th0 cells toward a Th1 phenotype producing IFN-gd, IL-2, and tumor necrosis factor bd (TNF-bd)d (Figure 2). Murine Th1-type responses are associated with...

...IgG2a antibody responses (8). Th0 cells are differentiated into Th2-type cells when soluble exogenous antigen is administered, triggering (CD4.sup.+), (NK1.1.sup.+) T cells to produce IL-4. The...

...Thus, either Th1 or Th2 cells or a combination of these cell

types can support antigen-specific S-IgA Ab responses. In this respect, Th2-type cytokines play a role in...

...restricted CTL responses are supported by Th1 cells. Cytotoxic cells can be classified based on antigen specificity and MHC restriction, i.e., nonspecific cytotoxic cells and antigen-specific, MHC-restricted CTLs. The first kind is composed of various cell types, including NK...

...system. Presumably, they decrease pathogen load in the early stage of the immune responses, while antigen-specific responses are still being established. The second type, antigen-specific CTL, achieved optimal activity a little later than nonspecific CTL, i.e., at day 3 to 5 of the immune response before antibody production.

Both antigen-specific and nonspecific cytotoxic cell types can control growth of intracellular pathogens by two distinct...

...infection reflects their importance for protection against pathogens at mucosal surfaces.

(Figure 3 ILLUSTRATION OMITTED)

Antigen-Specific CTLs

CTLs play an important role in the elimination of cells infected with various intracellular pathogens by recognizing pathogen-specific antigen/MHC complexes. Antigen-specific CTLs inhibit further spread of pathogens and help to terminate infections. Compartmentalization of pathogen...

...against murine rotavirus-induced gastroenteritis in the absence of rotavirus-specific neutralizing antibodies, indicating that antigen-specific CTLs protect against mucosal pathogens in the intestinal tract (32). Thus, thymus-derived adbd T cells can migrate to the intestinal epithelium after antigen-specific activation and protect the host against subsequent challenge. This notion is supported by findings...

...Mediastinal lymph nodes, the draining lymph nodes of the lungs, are considered the site where antigen presentation to T cells

initially
occurs before clonal expansion. Subsequently, T cells migrate to
effector
...

...or semen (38) of HIV-infected persons. These studies indicate
that the
initial site of antigen exposure and induction of antigen
-specific CTL responses in the urogenital tract are associated.
Further
evidence for this notion comes from the use of MHC class 1
tetramere
technology, by which antigen-specific quantitation of (CD8.sup.+) T
cells can be performed. Upon intranasal influenza administration,
most
antigen-specific, IFN-gd-producing effector (CD8.sup.+) T cells
were
located in bronchial lavages and...

...different pathogens have distinct infection routes or
different
localization in the host, compartmentalization of protective,
antigen-specific CTLs may vary, based on the specific pathogen.
In
general, mucosal infection induces primarily antigen-specific
CTLs
in the mucosal compartment and mucosa-associated lymphoid organs
and
depends on mucosal...

...and home to various mucosal effector sites. The common mucosal
immune
system involves homing of antigen-specific lymphocytes to mucosal
effector sites other than the site where initial antigen exposure
occurred. This pathway has almost exclusively been documented for
S-IgA
antibody responses at...

...a common mucosal immune system for cell-mediated immunity
(44). The data
available indicate that antigen-specific CTL responses at mucosal
surfaces are dictated by induction of CTL locally and are...

...do normally migrate to the systemic compartment. It could be
hypothesized that the presence of antigen-specific CTL in the
systemic compartment would allow for quick, protective responses
at any
mucosal...

...pCTL in immunologically privileged sites fail to differentiate

into
fully functional CTL, unless exposed to antigen (40). This
concept
could have a major influence on future vaccine development. If
mucosal
antigen-specific memory CTL responses are observed only after
mucosal immunization, optimal protection against pathogens would
require
the use of mucosal vaccine. However, systemic induced CTL can
generate an
antigen-specific mucosal CTL response; in addition, systemic
immunization can be used for cell-mediated protection...

...with DNA vaccines by using cationic lipids or other delivery
vehicles,
as well as immunostimulatory CpG dinucleotide motifs, no reports
exist on the induction of mucosal immunity by DNA vaccines in
humans.
Unmethylated CpG dinucleotides are immunostimulatory, especially
when presented in a 6 base-pair motif in which the central CpG is
flanked by two 5' purines and two 3' pyrimidines.
Another promising avenue for mucosal...

...derived from the bark of the South American tree Quillaja
saponia
Molina, mutant enterotoxins, unmethylated CpG motifs, or
cytokines
such as IL-12) or mucosal delivery systems, such as microspheres,
will...
CS, Robinson JK, Lamm ME. Epithelial transcytosis of monomeric
IgA and IgG
cross-linking through antigen to polymeric IgA. A role for
monomeric
antibodies in the mucosal immune response. J Immunol...

18/K/9 (Item 1 from file: 266) [Links](#)

FEDRIP

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Performing Org.: SLOAN-KETTERING INSTITUTE FOR CANCER RES

Summary: ...hypothesize that NKDC are critical to the immune response against Listeria. While the lytic and antigen-presenting abilities of NKDC may be important, we have chosen to focus exclusively on their... ...of IFN-gamma production by NKDC during Listeria infection. Specifically, we will test IL-12, IL-18, and Toll-like receptor 9 as we have found these to regulate NKDC IFN-gamma production in response to bacterial CpG. In Aim 3, we will determine whether NKDC production of IFN-gamma is sufficient to...

18/K/10 (Item 2 from file: 266) [Links](#)

FEDRIP

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Summary: ...this project is to enhance cell-mediated and humoral immune responses to a soluble protein antigen (major surface protein-2; MSP-2) of the cattle pathogen, *Anaplasma marginale*, by using adjuvants... ...are to 1] determine the effects of *E. coli* DNA on inducing cytokines (IL-12, IL-18, TNF- α , and IFN- α) that are expressed by the principal antigen presenting cell, the dendritic cell in cattle. These cytokines are required for priming a type 1 immune response during antigen exposure; 2] to compare the adjuvant effects of *E. coli*

DNA, recombinant IL-12, and... ...The draining lymph nodes will be surgically removed three days following the final inoculation of antigen and following antigen restimulation *ex vivo*, will be analyzed

for cytokine expression. Serum samples will be analyzed for... ...this grant and a subsequent USDA grant, we have

initiated studies to evaluate a defined CpG ODN on stimulating Th1 responses to a bacterial surface protein. The innate immune response of macrophages and dendritic cells to bacterial DNA and CpG ODN was examined in this grant. These responses are critical for inducing Th1 immunity and...

Descriptors: ...cytokines; immune response; dna vaccines; recombinant dna; leukocytes; immunoglobulins; macrophages; dendrites; interleukin; antigens; *Anaplasma marginale*; tumor necrosis factor; proteins

Text:

...exposure to the allergen, and the avidity of allergen-specific interactions between T cells and antigen-presenting cells (Ref. 13,14) (Fig. 1).|*Figure 1.-Immunologic and Cellular Factors Regulating theinterleukin-4, respectively, as well as on the avidity of interactions between T cells and antigen-presenting cells and the amount of allergen to which the immune system is exposed (antigen). (Ref. 13,14) In addition, the presence of cytidine-phosphate-guanosine (CpG) repeats derived from bacteria favors the Th1 phenotype, whereas the presence of transcription factors such...family of cytokine genes on chromosome 5. (Ref. 31) By contrast, certain alleles of the tumor necrosis factor gene complex, although linked to asthma, are independent of serum IgE levels and... ..high-affinity IgE receptor (Fc(epsilon)RI-(alpha)). (Ref. 35) This receptor also occurs on antigen-presenting cells, where it can facilitate the IgE-dependent trapping and presentation of allergen to... latter class of organisms, the DNA contains repeating sequences of cytosine and guanosine nucleosides called CpG repeats. These CpG repeats can bind to receptors on antigen-presenting cells and trigger the release of interleukin-12. This cytokine, which is produced almost exclusively by antigen-presenting cells, drives and maintains the Th1-mediated response. Furthermore, the interferon-(gamma) produced byin combination, have therapeutic potential for inhibiting the synthesis of IgE. Furthermore (as discussed below), CpG repeats may redirect allergens to produce a Th1-mediated, rather than a Th2-mediated, immune... ..relevance of the low-affinity IgE receptor (CD23) remains speculative. It may be involved in antigen trapping and presentation, thereby augmenting the production of interleukin-4 or interleukin-13. (Ref. 41) It can, however, override the positive effects of antigen presentation by combining with excess IgE and antigen under conditions in which high levels of interleukin-4 have caused the up-regulation of... Antigen-presenting cells are critical in initiating and controlling allergic inflammation. Dendritic cells and cutaneous Langerhans' cells are particularly important in asthma and atopic eczema, respectively. They present antigen to CD4+ Th2 cells in an MHC class II-restricted fashion. Overproduction of the granulocyte-macrophage colony-stimulating factor in the airway mucosa of patients with asthma enhances antigen presentation and increases the local accumulation of macrophages. (Ref. 12) Alveolar macrophages obtained from patients... ..Pathways Leading to Acute and Chronic Allergic Reactions.Acute allergic reactions are due to the antigen-induced release of histamine and lipid mediators from mast cells. In the skin and upper

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41. Squire CM, Studer EJ, Lees A, Finkelman FD, Conrad DH. Antigen presentation is enhanced by targeting antigen to the Fc(epsilon)RII by antigen-anti-Fc(epsilon)RII

conjugates. J Immunol 1994;152:4388-96.

42. Gustavsson S, Hjulstrom... ..Larche M, Till SJ, Haselden BM, et al. Costimulation through CD86 is involved in airway antigen-presenting cell and T cell responses to allergen in atopic asthmatics. J Immunol 1998;161...

>>>W: KWIC option is not available in file(s): 399

18/K/12 (Item 1 from file: 444) [Links](#)

New England Journal of Med.

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Text:

...exposure to the allergen, and the avidity of allergen-specific interactions between T cells and antigen-presenting cells (Ref. 13,14) (Fig. 1).¹*Figure 1.-Immunologic and Cellular Factors Regulating theinterleukin-4, respectively, as well as on the avidity of interactions between T cells and antigen-presenting cells and the amount of allergen to which the immune system is exposed (antigen). (Ref. 13,14) In addition, the presence of cytidine-phosphate-guanosine (CpG) repeats derived from bacteria favors the Th1 phenotype, whereas the presence of transcription factors such...family of cytokine genes on chromosome 5. (Ref. 31) By contrast, certain alleles of the tumor necrosis factor gene complex, although linked to asthma, are independent of serum IgE levels and... ..high-affinity IgE receptor (Fc(epsilon)RI-(alpha)). (Ref. 35) This receptor also occurs on antigen-presenting cells, where it can facilitate the IgE-dependent trapping and presentation of allergen to... latter class of organisms, the DNA contains repeating sequences of cytosine and guanosine nucleosides called CpG repeats. These CpG repeats can bind to receptors on antigen-presenting cells and trigger the release of interleukin-12. This cytokine, which is produced almost exclusively by antigen-presenting cells, drives and maintains the Th1-mediated response. Furthermore, the interferon-(gamma) produced byin combination, have therapeutic potential for inhibiting the synthesis of IgE. Furthermore (as discussed below), CpG repeats may redirect allergens to produce a Th1-mediated, rather than a Th2-mediated, immune... ..relevance of the low-affinity IgE receptor (CD23) remains speculative. It may be involved in antigen trapping and presentation, thereby augmenting the production of interleukin-4 or interleukin-13. (Ref. 41) It can, however, override the positive effects of antigen presentation by combining with excess IgE and antigen under conditions in which high levels of interleukin-4 have caused the up-regulation of... Antigen-presenting cells are critical in initiating and controlling allergic inflammation. Dendritic cells and cutaneous Langerhans' cells are particularly important in asthma and atopic eczema, respectively. They present antigen to CD4+ Th2 cells in an MHC class II-restricted fashion. Overproduction of the granulocyte-macrophage colony-stimulating factor in the airway mucosa of patients with asthma enhances antigen presentation and increases the local accumulation of macrophages. (Ref. 12) Alveolar macrophages obtained from patients... ..Pathways Leading to Acute and Chronic Allergic Reactions.Acute allergic reactions are due to the antigen-induced release of histamine and lipid mediators from mast cells. In the skin and upper

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33. Baldini M...72.
36. Stingl G, Maurer D. IgE-mediated allergen presentation via Fc(epsilon)RI on antigen-presenting cells. Int Arch Allergy Immunol 1997;113:24-9.
37. Smith SJ, Ying S... ..K, Ueda H, Okamura H, Nakanishi K. LPS-stimulated SJL macrophages produce IL-12 and IL-18 that inhibit IgE production in vitro by induction of IFN-gamma production from CD3intIL-2R... ..1998;161:1483-92.

41. Squire CM, Studer EJ, Lees A, Finkelman FD, Conrad DH. Antigen presentation is enhanced by targeting antigen to the Fc(epsilon)RII by antigen-anti-Fc(epsilon)RII conjugates. *J Immunol* 1994;152:4388-96.
42. Gustavsson S, Hjulstrom... ..Larche M, Till SJ, Haselden BM, et al. Costimulation through CD86 is involved in airway antigen-presenting cell and T cell responses to allergen in atopic asthmatics. *J Immunol* 1998;161...

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>>>E: Item '' is not a number

? t s18/3/1,3

18/3/1 (Item 1 from file: 5) [Links](#)

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18792606 Biosis No.: 200600138001

Multi-vaccine SEVINA composed of vinorelbine apoptotic tumour cell lysate (VATCL), cationic colloidal 25 mer ISS CpG oligonucleotide (ODN) adjuvant and recombinant chaperone GRP94/gp96+HER2 differentiation antigen vaccine induces formation of exosomes from APCs and humoral cellular immune responses leading to vaccine induced apoptosis (VIA) in chemoresistant distal breast, lung, prostate and ovarian cancer

Author: Giannios John (Reprint); Lambrinos Philip; Alexandropoulos Nick

Author Address: PHSA, Athens, Greece**Greece

Journal: Journal of Immunotherapy 28 (6): p 655-656 NOV-DEC 2005 2005

Conference/Meeting: 20th Annual Scientific Meeting of the International-Society-for-Biological-Therapy-of-Cancer Alexandria, VA, USA November 10 -13, 2005; 20051110

Sponsor: Int Soc Biol Therapy Canc

ISSN: 1524-9557

Document Type: Meeting; Meeting Abstract

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Language: English

18/3/3 (Item 1 from file: 73) [Links](#)

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0081513359 EMBASE No: 2006576868

Combined stimulation with interleukin-18 and CpG induces murine natural killer dendritic cells to produce IFN-gamma and inhibit tumor growth

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Cancer Research (Cancer Res.) (United States) November 1, 2006 , 66/21 (10497-10504)

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Language: English Summary language: English

Number of References: 45


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Set      Items  Description
S1        40    AU='BRUCK, CLAUDINE' FROM 5, 34, 35, 45, 65, 71, 73, 91,
98, 135, 144, 149, 155, 156, 159, 162, 164, 172, 266, 369, 370, 399,
434, 444, 467
S2        38    RD  (unique items)
S3        33    AU='GERARD, CATHERINE' FROM 5, 34, 35, 45, 65, 71, 73,
91, 98, 135, 144, 149, 155, 156, 159, 162, 164, 172, 266, 369, 370, 399,
434, 444, 467
S4        31    RD  (unique items)
S5        31    AU='JONAK, ZDENKA L.' FROM 5, 34, 35, 45, 65, 71, 73,
91, 98, 135, 144, 149, 155, 156, 159, 162, 164, 172, 266, 369, 370, 399,
434, 444, 467
S6        30    RD  (unique items)
S7         0    S S6 AND S4 AND S2
S8       20367  S IL (W) 18
S9       78594  S CPG
S10     5673314  S CANCER
S11     5675792  S TUMOR OR TUMOUR
S12     2462974  S ANTIGEN
S13       8249  S MAGE
S14       50    S S8 AND S9 AND S12
S15      13     S S14 AND (S10 OR S11)
S16       0     S S13 AND S15
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S18      12     RD  (unique items)

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S19       50    S S14

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S20       31    RD  (UNIQUE ITEMS)

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>>>W: KWIC option is not available in file(s): 399

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20/K/1 (Item 1 from file: 5) [Links](#)

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Stimulation of CD8 memory T cells regulates acquired immunity in a non- antigen-specific fashion

DESCRIPTORS:

Chemicals & Biochemicals: ...IL-18; ...CpG DNA

20/K/2 (Item 2 from file: 5) [Links](#)

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...vaccine SEVINA composed of vinorelbine apoptotic tumour cell lysate (VATCL), cationic colloidal 25 mer ISS CpG oligonucleotide (ODN) adjuvant and recombinant chaperone GRP94/gp96+HER2 differentiation antigen vaccine induces formation of exosomes from APCs and humoral cellular immune responses leading to vaccine...

DESCRIPTORS:

Chemicals & Biochemicals: ...IL-18; ... colloidal 25 mer immunostimulatory sequences CpG oligonucleotide adjuvant... recombinant chaperone GRP94/gp96+HER2 differentiation antigen--

20/K/3 (Item 3 from file: 5) [Links](#)

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DESCRIPTORS:

Chemicals & Biochemicals: ...IL-18 {interleukin-18... ...CpG;antigen receptors

20/K/4 (Item 4 from file: 5) [Links](#)

Biosis Previews(R)

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Abstract: ...antiviral mechanisms. IFN-alpha/beta is produced rapidly when viral factors, such as envelope glycoproteins, CpG DNA, or dsRNA, interact with cellular pattern-recognition receptors (PRRs), such as mannose receptors, toll... ..receptor-mediated stimulation or in response to early produced cytokines, including interleukin-2 (IL-12), IL-18, and IFN-alpha/beta, or by stimulation through T cell receptors (TCRs) or natural killer... ..gamma affect activities of macrophages, NK cells, dendritic cells (DC), and T cells by enhancing antigen presentation, cell trafficking, and cell differentiation and expression profiles, ultimately resulting in enhanced antiviral effector...

DESCRIPTORS:

Miscellaneous Terms: Concept Codes: ...antigen presentation

20/K/5 (Item 5 from file: 5) [Links](#)

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A protective role of locally administered immunostimulatory CpG oligodeoxynucleotide in a mouse model of genital herpes infection.

Abstract: Unmethylated CpG dinucleotides in bacterial DNA or synthetic oligodeoxynucleotides (ODNs) are known as potent activators of the... ..system and inducers of several Th1-associated immunomodulatory cytokines. We therefore investigated whether such a CpG-containing ODN (CpG ODN) given mucosally in the female genital tract could enhance innate immunity and protect against genital herpes infection. Groups of C57BL/6 mice were treated intravaginally with either CpG ODN or a non-CpG ODN control in the absence of any antigen either 2 days before or 4 h after an intravaginal challenge with a normally lethal dose of herpes simplex virus type 2 (HSV-2). Mice treated with CpG ODN exhibited significantly decreased titers of HSV-2 in their vaginal fluids compared with non-CpG ODN-treated mice. Furthermore, CpG ODN pretreatment significantly protected against development of disease and death compared to non-CpG ODN pretreatment. Most strikingly, CpG ODN conferred protection against disease and death even when given after the viral challenge. The CpG ODN-induced protection was associated with a rapid production of gamma interferon (IFN-gamma), interleukin-12 (IL-12), IL-18, and RANTES in the genital tract mucosa following CpG ODN treatment. The observed protection appeared to be dependent on IFN-gamma, IL-12, IL-18, and T cells, as CpG ODN pretreatment did not confer any significant protection in mice deficient in IFN-gamma, IL-12, IL-18, or T cells. Further, a complete protective immunity to reinfection was elicited in CpG ODN-treated, HSV-2-challenged mice, suggesting a role for mucosally administered CpG ODN in inducing the development of an acquired immune response in addition to its potent...

DESCRIPTORS:

Chemicals & Biochemicals: CpG oligo... ..IL-18 {interleukin-18

20/K/6 (Item 6 from file: 5) [Links](#)

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Airway eosinophilia and bronchial hyperreactivity in a murine model of asthma prevented by CpG oligodeoxynucleotides in the absence of IFN-gamma OR IL-12; IL-18 is unlikely to play an important role

DESCRIPTORS:

Chemicals & Biochemicals: ...CpG motif, bacterial... ...IL-18 {interleukin-18... ...CpG motif, induction... ...schistosome egg antigen--... ...antigen, soluble

20/K/7 (Item 7 from file: 5) [Links](#)

Biosis Previews(R)

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Abstract: ...responses. Th2 cells are generated from precursor naive Th cells when they encounter the specific antigen in an IL-4-containing microenvironment. The question of how these Th2 cells are selected... ...response to ubiquitous allergens. Moreover, the recent evidence that bacterial DNA or oligodeoxynucleotides containing unmethylated 'CpG motifs' promote the development of Th1 cells via the production of immunomodulatory cytokines (namely IL-12, IL-18 and IFNs) by professional antigen-presenting cells confirms previous epidemiological data. The new insight into the pathophysiology of T cell...

DESCRIPTORS:

Chemicals & Biochemicals: ...IL-18 {interleukin-18

20/K/8 (Item 1 from file: 34) [Links](#)

SciSearch(R) Cited Ref Sci

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Abstract: ...or mutant Echerichia Coli labile toxin) improve performance of mucosal vaccines. Synthetic oligodeoxynucleotides containing immunostimulatory CpG motifs (CpG) have synergistic action with other adjuvants, such as alum and CT when delivered mucosally. There... ..important candidates for use as mucosal adjuvants. The proinflammatory cytokines IL-1alpha, IL-12, and IL-18 can replace CT as a mucosal adjuvant for antibody induction and induce an increase of mucosal CTL's. IL-15 also has the potential to increase antigen-specific CTL activity when used as an adjuvant while IL-5 and IL-6 were shown to be able to markedly increase IgA reactivity to co-expressed heterologous antigen. Chemokines such as MCP-1 could also be used as potential adjuvant for mucosally administered...

20/K/9 (Item 2 from file: 34) [Links](#)

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Identification of CpG oligodeoxynucleotide sequences that induce IFN-gamma production in canine peripheral blood mononuclear cells

Abstract: Oligodeoxynucleotides containing the cytosine-phosphate-guanine (CpG) motif (CpG-ODNs) have been shown to induce T(H)1 immune responses in animals. Since the sequences of CpG-ODNs that induce T(H)1 responses are considered to vary among animal species, it is necessary to identify effective CpG-ODNs in each animal. In order to identify the sequences of CpG-ODNs that induce T(H)1 responses in dogs, mRNA expression and protein production of... ..in peripheral blood mononuclear cells (PBMCs) from healthy dogs treated with 11 kinds of synthetic CpG-ODNs. One of the 11 CpG-ODNs (No. 2 CpG-ODN, 5'-GGTGCATCGATGCAGGGGGG-3') was shown to significantly increase mRNA expression and protein production of IFN-gamma in canine PBMCs in a manner dependent on the sequence of the CpG motif. This CpG-ODN also enhanced the expression of IL-12 p40 mRNA in canine PBMCs, whereas expression of IL-12 p35, IL-18, and IL-4 mRNAs was not induced by this CpG-ODN. These results indicate that this CpG-ODN was able to produce IFN-gamma by induction of T(H)1-skewed immune response in dogs. CpG-ODNs may be useful for inducing prophylactic and therapeutic immunity against allergic diseases, viral infection...

Identifiers-- ...VITRO; INTERFERON-GAMMA; BACTERIAL-DNA; T-CELLS; AIRWAY HYPERRESPONSIVENESS; SYNTHETIC OLIGONUCLEOTIDES; IMMUNOSTIMULATORY DNA; MURINE MODEL; ANTIGEN

20/K/10 (Item 3 from file: 34) [Links](#)

SciSearch(R) Cited Ref Sci

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Abstract: ...tumor necrosis factor alpha [TNF-a], interleukin 6 [IL-6], IL-8, IL-12, and IL-18) as well as anti-inflammatory and Th2-related cytokines (IL-4, IL-10, and IL... ...to be the effective components of the preparation. The virus particles activate monocytes or other antigen-presenting cells (APC), e.g., plasmacytoid dendritic cells, through signaling over CD14 and a Toll... ...IL-6, and IL-8) as well as the Th1-related cytokines IL-12 and IL -18. Both IL-18 and IL-12 are involved in PPVO-mediated IFN-gamma release by T cells and...
Identifiers-- ...RECEPTORS; NATURAL-KILLER-CELLS; HEPATITIS-B-VIRUS; INTERFERON RESISTANCE; MACROPHAGE ACTIVATION; ANTIVIRAL ACTIVITY; GAMMA PRODUCTION; CPG DNA; POXVIRUSES; HOMOLOG

20/K/11 (Item 4 from file: 34) [Links](#)

SciSearch(R) Cited Ref Sci

(c) 2008 The Thomson Corp. All rights reserved.

Abstract: ...study, DCs infected with T(H)1 cytokine-expressing adenovirus can be used to induce antigen-specific T(H)1 cells for treatment in an animal model of asthma.

Methods: Cytokine gene-modulated DCs pulsed with ovalbumin antigen (OVA) were injected intravenously into naive mice 1 week before sensitization with OVA antigen. The mice were then monitored for OVA-specific IgE, airway inflammatory cell infiltration, and airway hyperresponsiveness in the study.

Results: Significant levels of IL-12 or IL-18 were expressed by Ad-IL-12 or Ad-IL- 18 infected, bone marrow-derived DCs. Ad-IL-12 and Ad-IL- 18 co-infected DCs effectively, decreasing sera anti-OVA IgE antibody levels, lung eosinophilia, and airway...

Identifiers-- ...GENE-TRANSFER; IFN-GAMMA; ANTIGEN PRESENTATION; ALLERGIC RESPONSE; TH2 RESPONSES; MOUSE AIRWAYS; IN-VIVO; CPG DNA; INTERLEUKIN-12; INFLAMMATION

20/K/12 (Item 5 from file: 34) [Links](#)

SciSearch(R) Cited Ref Sci

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Abstract: ...characteristic of Th1 immune responses, such as high IgG2a:IgG1 anti-PRV Ab ratio and antigen-specific IFN-gamma production by spleen cells. In contrast, IFNAR K/O mice showed a... ..in shaping Th1 immune responses after DNA vaccination. Codelivery of plasmids encoding IL-12 and IL-18 along with the plasmid encoding PRV-gC restored Th1 responses in IFNAR K/O mice...

Identifiers-- ...INTERFERON-GAMMA PRODUCTION; DENDRITIC CELLS;
IMMUNOSTIMULATORY DNA; I INTERFERONS; BACTERIAL-DNA; CPG DNA;
ACTIVATION; IMMUNIZATION; ANTIGEN; IL-12

20/K/13 (Item 6 from file: 34) [Links](#)

SciSearch(R) Cited Ref Sci

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Abstract: ...vector encoding the beta-galactosidase (pCMV-beta gal) was used for intradermal immunization. Furthermore, immunostimulatory CpG motifs, which induce the expression of IL-6, IL-12, IL-18, TNF-alpha/beta and IFN-gamma were coinjected as oligodeoxynucleotides. From our data we conclude... ...markedly enhanced 2 weeks (252.4%) or 3 weeks (243.3%) after the injection when CpG motifs were applied together with the plasmid DNA. (C) 1999 Elsevier Science Ireland Ltd. All...

Identifiers-- ...CYTOTOXIC T-LYMPHOCYTES; MHC CLASS-I; INTERFERON-GAMMA; CPG MOTIFS; CELLS; STIMULATION; EXPRESSION; ANTIGEN

20/K/14 (Item 1 from file: 73) [Links](#)

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Combined stimulation with interleukin-18 and CpG induces murine natural killer dendritic cells to produce IFN-gamma and inhibit tumor growth

...tumors. Based on our previous finding that the combination of Toll-like receptor 9 ligand CpG and interleukin (IL)-4 stimulates NKDC to produce IFN-gamma, we hypothesized that NKDC are... NKDC accounted for the majority of IFN-gamma production by murine spleen CD11c SUP + cells. IL-18 alone induced NKDC to secrete IFN-gamma, and the combination of IL-18 and CpG resulted in a synergistic increase in IFN-gamma production, both in vitro and in vivo... 12. NKDC selectively proliferated in vitro and in vivo in response to the combination of IL-18 and CpG. Systemic treatment with IL-18 and CpG reduced the number of B16F10 melanoma lung metastases. The mechanism depended on NK1.1 SUP + cells, as their depletion abrogated the effect. IL-18 and CpG activated NKDC provided greater tumor protection than NK cells in IFN-gamma SUP -/- mice. Thus, NKDC are the major dendritic cell subtype to produce IFN-gamma, The combined use of IL-18 and CpG is a viable strategy to potentiate the antitumor function of NKDC. (c)2006 American Association...

Drug Descriptors:

* CpG oligodeoxynucleotide--drug combination--cb; *CpG oligodeoxynucleotide--drug dose--do; *CpG oligodeoxynucleotide--drug interaction--it; *CpG oligodeoxynucleotide--intraperitoneal drug administration--ip; *CpG oligodeoxynucleotide--pharmacology--pd; * interleukin 18--drug combination--cb; *interleukin 18--drug dose--do; * interleukin 18...

CD11 antigen; gamma interferon; interleukin 12--drug combination--cb ; interleukin 12--pharmacology--pd

20/K/15 (Item 2 from file: 73) [Links](#)

EMBASE

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...strategies. One approach is based on vaccinations using live or killed bacteria or their components, CpG-ODNs or DNA vaccination, which all induce allergen-specific or unspecific Th1 responses. Th1 responses lead to the production of IFN-gamma, IL-12, IL-18 and IL-23, thereby inhibiting Th2 responses and thus the development of asthma. A further...

Drug Descriptors:

...drug therapy--dt; bacterium lipopolysaccharide--subcutaneous drug administration--sc; BCG vaccine--drug therapy--dt; CD14 antigen --endogenous compound--ec; CpG oligodeoxynucleotide--drug therapy --dt; CpG oligodeoxynucleotide--intratracheal drug administration --tr; dendritic cell vaccine--drug therapy--dt; DNA vaccine--drug therapy ...
...endogenous compound--ec; interleukin 23--endogenous compound--ec; live vaccine--drug therapy--dt; major histocompatibility antigen class 2 --endogenous compound--ec; phosphoryl lipid A--drug therapy--dt; plasmid DNA--drug therapy...

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? d s
Set      Items  Description
S1        40    AU='BRUCK, CLAUDINE' FROM 5, 34, 35, 45, 65, 71, 73, 91,
98, 135, 144, 149, 155, 156, 159, 162, 164, 172, 266, 369, 370, 399,
434, 444, 467
S2         38    RD  (unique items)
S3         33    AU='GERARD, CATHERINE' FROM 5, 34, 35, 45, 65, 71, 73,
91, 98, 135, 144, 149, 155, 156, 159, 162, 164, 172, 266, 369, 370, 399,
434, 444, 467
S4         31    RD  (unique items)
S5         31    AU='JONAK, ZDENKA L.' FROM 5, 34, 35, 45, 65, 71, 73,
91, 98, 135, 144, 149, 155, 156, 159, 162, 164, 172, 266, 369, 370, 399,
434, 444, 467
S6         30    RD  (unique items)
S7          0    S S6 AND S4 AND S2
S8        20367  S IL (W) 18
S9        78594  S CPG
S10       5673314 S CANCER
S11       5675792 S TUMOR OR TUMOUR
S12       2462974 S ANTIGEN
S13        8249  S MAGE
S14        50    S S8 AND S9 AND S12
S15        13    S S14 AND (S10 OR S11)
S16         0    S S13 AND S15
S17        13    S S15
S18        12    RD  (unique items)
S19        50    S S14
S20        31    RD  (unique items)

? s s20 not s18
          31    S20
          12    S18
S21       19    S S20 NOT S18

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? t s21/3/all

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21/3/1 (Item 1 from file: 5) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

Biosis Previews(R)

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18820541 Biosis No.: 200600165936

Stimulation of CD8 memory T cells regulates acquired immunity in a non- antigen-specific fashion

Author: Noble A (Reprint); Leggat J A

Author Address: Univ London Kings Coll, Dept Asthma Allergy and Resp Sci, London SE1 9RT, UK**UK

Journal: Immunology 116 (Suppl. 1): p 25 DEC 2005 2005

Conference/Meeting: Annual Congress of the British-Society-for-Immunology Harrogate, ENGLAND December 06 -09, 2005; 20051206

Sponsor: British Soc Immunol

ISSN: 0019-2805

Document Type: Meeting; Meeting Abstract

Record Type: Citation
Language: English

21/3/2 (Item 2 from file: 5) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

Biosis Previews(R)

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18658074 Biosis No.: 200600003469

TLR2 and TLR4 Ligands synergize with IL-12 for IFN-Gamma production in naive B cells.

Author: O'Neill Shannon (Reprint); Cao Yanxia; Doodes Paul D; Sekhar Anil; Finnegan Alison

Author Address: Rush Univ, Med Ctr, Chicago, IL 60612 USA**USA

Journal: Arthritis & Rheumatism 52 (9, Suppl. S): p S286-S287 SEP 2005 2005

Conference/Meeting: 69th Annual Scientific Meeting of the American-College-of-Rheumatology/40th Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals San Diego, CA, USA November 12 -17, 2005; 20051112

Sponsor: Amer Coll Rheumatol

Assoc Rheumatol Hlth Profess

ISSN: 0004-3591

Document Type: Meeting; Meeting Abstract

Record Type: Citation

Language: English

21/3/3 (Item 3 from file: 5) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

Biosis Previews(R)

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18054042 Biosis No.: 200400424831

Induction and regulation of IFNs during viral infections

Author: Malmgaard Lene (Reprint)

Author Address: Dept Med Microbiol and Immunol, Aarhus Univ, BArtholin Bldg, DK-8000, Aarhus, C, Denmark**Denmark

Author E-mail Address: lm@microbiology.au.dk

Journal: Journal of Interferon and Cytokine Research 24 (8): p 439-454 August 2004
2004

Medium: print

ISSN: 1079-9907 _(ISSN print)

Document Type: Article; Literature Review

Record Type: Abstract

Language: English

21/3/4 (Item 4 from file: 5) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

Biosis Previews(R)

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17137122 Biosis No.: 200300095841

A protective role of locally administered immunostimulatory CpG oligodeoxynucleotide in a mouse model of genital herpes infection.

Author: Harandi Ali M (Reprint); Eriksson Kristina; Holmgren Jan

Author Address: Department of Medical Microbiology and Immunology, Goteborg University Vaccine Research Institute (GUVAX), Guldhedsgatan 10A, 413 46, Goteborg, Sweden**Sweden

Author E-mail Address: ali.harandi@microbio.gu.se

Journal: Journal of Virology 77 (2): p 953-962 January 2003 2003

Medium: print

ISSN: 0022-538X _(ISSN print)

Document Type: Article

Record Type: Abstract

Language: English

21/3/5 (Item 5 from file: 5) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

Biosis Previews(R)

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15856742 Biosis No.: 200100028581

Airway eosinophilia and bronchial hyperreactivity in a murine model of asthma prevented by CpG oligodeoxynucleotides in the absence of IFN-gamma OR IL-12; IL-18 is unlikely to play an important role

Author: Kline J N (Reprint); Businga T R (Reprint); Lemish J E; Waldschmidt T J; Ballas Z L (Reprint); Krieg A M (Reprint)

Author Address: Department of Medicine, University of Iowa College of Medicine, Iowa City, IA, USA**USA

Journal: European Respiratory Journal 12 (Supplement 29): p 71s December, 1998 1998

Medium: print

Conference/Meeting: World Asthma Meeting Barcelona, Spain December 09-13, 1998; 19981209

ISSN: 0903-1936

Document Type: Meeting; Meeting Abstract; Meeting Poster

Record Type: Citation

Language: English

21/3/6 (Item 6 from file: 5) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

Biosis Previews(R)

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15398343 Biosis No.: 200000116656

Genetic and environmental factors contributing to the onset of allergic disorders

Author: Parronchi P; Brugnolo F; Sampognaro S; Maggi E (Reprint)

Author Address: Dipartimento di Medicina Interna, Sezione di Immunoallergologia e Malattie Respiratorie, Policlinico di Careggi, I-50134, Firenze, Italy**Italy

Journal: International Archives of Allergy and Immunology 121 (1); p 2-9 Jan., 2000
2000

Medium: print

ISSN: 1018-2438

Document Type: Article; Literature Review

Record Type: Abstract

Language: English

21/3/7 (Item 1 from file: 34) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

SciSearch(R) Cited Ref Sci

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13608895 Genuine Article#: 897TM No. References: 104

Mucosal adjuvants

Author: Stevceva L (REPRINT) ; Ferrari MG

Corporate Source: Thomas Jefferson Univ,Jefferson Med Coll, Dept Pathol Anat & Cell Biol,Alumni Hall,Room 219,1020 Locust St/Philadelphia//PA/19107 (REPRINT); Thomas Jefferson Univ,Jefferson Med Coll, Dept Pathol Anat & Cell Biol,Philadelphia//PA/19107; Henry M Jackson Fdn Advancement Mil Med,Dept Retrovirol,Rockville//MD/20852 (lstevceva@yahoo.com)

Journal: CURRENT PHARMACEUTICAL DESIGN , 2005 , V 11 , N6 , P 801-811

ISSN: 1381-6128 Publication date: 20050000

Publisher: BENTHAM SCIENCE PUBL LTD , EXECUTIVE STE Y26, PO BOX 7917, SAIF ZONE, 1200 BR SHARJAH, U ARAB EMIRATES

Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

21/3/8 (Item 2 from file: 34) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

SciSearch(R) Cited Ref Sci

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13406414 Genuine Article#: 876RQ No. References: 37

Identification of CpG oligodeoxynucleotide sequences that induce IFN-gamma production in canine peripheral blood mononuclear cells

Author: Kurata K; Iwata A; Masuda K (REPRINT) ; Sakaguchi M; Ohno K; Tsujimoto H
Corporate Source: Univ Tokyo, Grad Sch Agr & Life Sci, Dept Vet Internal Med, Bunkyo Ku, 1-1-1 Yayoi/Tokyo 1138657//Japan/ (REPRINT); Univ Tokyo, Grad Sch Agr & Life Sci, Dept Vet Internal Med, Bunkyo Ku, Tokyo 1138657//Japan/; Nippon Inst Biol Sci, Tokyo 1980024//Japan/; Natl Inst Infect Dis, Shinjuku Ku, Tokyo 1628640//Japan/; RIKEN, Yokohama Inst, Lab Allergy Regulat, Res Ctr Allergy & Immunol, Yokohama/Kanagawa 2300045/Japan/ (kmasuda@rcai.riken.jp)

Journal: VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY , 2004 , V 102 , N4 (DEC 28) , P 441-450

ISSN: 0165-2427 Publication date: 20041228

Publisher: ELSEVIER SCIENCE BV , PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS

Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

21/3/9 (Item 3 from file: 34) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

SciSearch(R) Cited Ref Sci

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12955663 Genuine Article#: 836DA No. References: 43

Dendritic cells modulated by cytokine-expressing adenoviruses alleviate eosinophilia and airway hyperresponsiveness in an animal model of asthma

Author: Ye YL; Lee YL; Chuang ZJ; Lai HJ; Chen CC; Tao MH; Chiang BL (REPRINT)

Corporate Source: Natl Taiwan Univ Hosp, Dept Pediat, 7 Chung Shan S Rd/Taipei//Taiwan/

(REPRINT); Natl Taiwan Univ Hosp, Dept Pediat, Taipei//Taiwan/; Chung Hwa Coll Med

Technol, Dept Med Technol, Tainan//Taiwan/; Acad Sinica, Inst Biomed Sci, Taipei

115//Taiwan/ (gicmbor@ha.mc.ntu.edu.tw)

Journal: JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY , 2004 , V 114 , N1

(JUL) , P 88-96

ISSN: 0091-6749 Publication date: 20040700

Publisher: MOSBY, INC , 11830 WESTLINE INDUSTRIAL DR, ST LOUIS, MO 63146-

3318 USA

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

21/3/10 (Item 4 from file: 34) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

SciSearch(R) Cited Ref Sci

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09854759 Genuine Article#: 456BE No. References: 36

Type IIFN modulates the immune response induced by DNA vaccination to
pseudorabies virus glycoprotein C

Author: Tudor D; Riffault S; Carrat C; Lefevre F; Bernoin M; Charley B (REPRINT)

Corporate Source: INRA, Unite Virol & Immunol Mol, F-78350 Jouy En Josas//France/
(REPRINT) ; INRA, Unite Virol & Immunol Mol, F-78350 Jouy En Josas//France/

Journal: VIROLOGY , 2001 , V 286 , N1 (JUL 20) , P 197-205

ISSN: 0042-6822 Publication date: 20010720

Publisher: ACADEMIC PRESS INC , 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495
USA

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

21/3/11 (Item 5 from file: 34) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

SciSearch(R) Cited Ref Sci

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07812265 Genuine Article#: 210TN No. References: 18

DNA immunization is associated with increased activity of type I iodothyronine 5'-deiodinase in mouse liver

Author: Brtko J; Mostböck S; Scheiblhofer S; Hartl A; Thalhammer J (REPRINT)

Corporate Source: SALZBURG UNIV, INST CHEM & BIOCHEM, DEPT BIOCHEM, HELLBRUNNERSTR 34/A-5020 SALZBURG//AUSTRIA/ (REPRINT); SALZBURG UNIV, INST CHEM & BIOCHEM, DEPT BIOCHEM/A-5020 SALZBURG//AUSTRIA/; SLOVAK ACAD SCI, INST EXPT ENDOCRINOL/SK-83306 BRATISLAVA//SLOVAKIA/

Journal: MOLECULAR AND CELLULAR ENDOCRINOLOGY , 1999 , V 152 , N1-2 (JUN 25) , P 85-89

ISSN: 0303-7207 Publication date: 19990625

Publisher: ELSEVIER SCI IRELAND LTD , CUSTOMER RELATIONS MANAGER, BAY 15, SHANNON INDUSTRIAL ESTATE CO, CLARE, IRELAND

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

21/3/12 (Item 1 from file: 73) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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0081379205 EMBASE No: 2006441969

Immune stimulatory strategies for the prevention and treatment of asthma

Wohlleben G.; Erb K.J. // Erb K.J.

Centre for Infectious Diseases, University of Wurzburg, Rontgenring 11, 97070 Wurzburg, Germany // Department of Pulmonary Research, Boehringer Ingelheim Pharma GmbH and Co. Kg, Birkendorferstr. 65, D-88397 Biberach a.d. Riss, Germany

Author email: Klaus.Erb@bc.boehringer-ingelheim.com; Klaus.Erb@bc.boehringer-ingelheim.com

Corresp. Author: Erb K.J.

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Corresp. Author email: Klaus.Erb@bc.boehringer-ingelheim.com

Current Pharmaceutical Design (Curr. Pharm. Des.) (Netherlands) September 1, 2006 , 12/25 (3281-3292)

CODEN: CPDEF ISSN: 13816128

Item Identifier (DOI): [10.2174/138161206778194114](https://doi.org/10.2174/138161206778194114)

URL: <http://www.ingentaconnect.com/content/ben/cpd/2006/000000012/000000025/art00009>

Document Type: Journal ; Review Record Type: Abstract

Language: English Summary language: English

Number of References: 160

21/3/13 (Item 2 from file: 73) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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0080385988 EMBASE No: 2005030134

Dendritic cells and NK cells stimulate bystander T cell activation in response to TLR agonists through secretion of IFN- α and IFN- γ

Kamath A.T.; Sheasby C.E.; Tough D.F. // Tough D.F.

Edward Jenner Inst. for Vacc. Res., Compton, Newbury, United Kingdom // Edward Jenner Inst. for Vacc. Res., Newbury, Berkshire, RG20 7NN, United Kingdom

Author email: david.tough: @jenner.ac.uk; david.tough: @jenner.ac.uk

Corresp. Author: Tough D.F.

Corresp. Author Affil: Edward Jenner Inst. for Vacc. Res., Newbury, Berkshire, RG20 7NN, United Kingdom

Corresp. Author email: david.tough: @jenner.ac.uk

Journal of Immunology (J. Immunol.) (United States) January 15, 2005 , 174/2 (767-776)

CODEN: JOIMA ISSN: 00221767

Document Type: Journal ; Article Record Type: Abstract

Language: English Summary language: English

Number of References: 60

21/3/14 (Item 3 from file: 73) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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0080075963 EMBASE No: 2004260797

IL-18 gene therapy develops Th1-type immune responses in Leishmania major-infected BALB/c mice: Is the effect mediated by the CpG signaling TLR9?

Li Y.; Ishii K.; Hisaeda H.; Hamano S.; Zhang M.; Himeno K. // Nakanishi K. ; Yoshimoto T. // Hemmi H.; Takeda K.; Akira S. // Iwakura Y.

Department of Microbiol./Immunology, Graduate School of Medical Sciences, Kyushu University, Maidashi 3, Higashi-ku, Fukuoka 812-8582, Japan // Dept. of Immunology/Medical Zoology, Hyogo College of Medicine, Hyogo, Japan // Department of Host Defense, Res. Inst. for Microbial Diseases, Osaka University, Osaka, Japan // Center for Experimental Medicine, Institute of Medical Science, Tokyo University, Tokyo, Japan
Corresp. Author: Himeno K.

Corresp. Author Affil: Department of Microbiol./Immunology, Graduate School of Medical Sciences, Kyushu University, Maidashi 3, Higashi-ku, Fukuoka 812-8582, Japan

Gene Therapy (Gene Ther.) (United Kingdom) June 1, 2004 , 11/11 (941-948)

CODEN: GETHE ISSN: 09697128

Item Identifier (DOI): [10.1038/sj.gt.3302240](https://doi.org/10.1038/sj.gt.3302240)

Document Type: Journal ; Article Record Type: Abstract

Language: English Summary language: English

Number of References: 39

21/3/15 (Item 4 from file: 73) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

EMBASE

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0080061282 EMBASE No: 2004246361

Molecular adjuvants for mucosal immunity

Toka F.N.; Pack C.D.; Rouse B.T. // Toka F.N. // Rouse B.T.

Department of Microbiology, University of Tennessee, Walter's Life Sciences Building, Knoxville, TN, United States // Department of Preclinical Sciences, Faculty of Veterinary Medicine, Warsaw Agricultural University, Warsaw, Poland // University of Tennessee, Department of Microbiology, Walter's Life Sciences Building, 1414 Cumberland Avenue M409, Knoxville, TN 37996, United States

Author email: btr@utk.edu; btr@utk.edu

Corresp. Author: Rouse B.T.

Corresp. Author Affil: University of Tennessee, Department of Microbiology, Walter's Life Sciences Building, 1414 Cumberland Avenue M409, Knoxville, TN 37996, United States

Corresp. Author email: btr@utk.edu

Immunological Reviews (Immunol. Rev.) (United Kingdom) June 1, 2004 , 199/- (100-112)

CODEN: IMRED ISSN: 01052896

Item Identifier (DOI): [10.1111/j.0105-2896.2004.0147.x](https://doi.org/10.1111/j.0105-2896.2004.0147.x)

Document Type: Journal ; Review Record Type: Abstract

Language: English Summary language: English

Number of References: 81

21/3/16 (Item 5 from file: 73) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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0078823131 EMBASE No: 2001429542

Generation of neutralizing mouse anti-mouse IL-18 antibodies for inhibition of inflammatory responses in vivo

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Document Type: Journal ; Article Record Type: Abstract

Language: English Summary language: English

Number of References: 35

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0078004959 EMBASE No: 2000054147

Genetic and environmental factors contributing to the onset of allergic disorders

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International Archives of Allergy and Immunology (Int. Arch. Allergy Immunol.) (Switzerland) February 16, 2000 , 121/1 (2-9)

CODEN: IAAIE ISSN: 10182438

Document Type: Journal ; Review Record Type: Abstract

Language: English Summary language: English

Number of References: 88

21/3/18 (Item 1 from file: 266) [Links](#)

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00591982

Identifying No.: 1R01AI069296-01A1 Agency Code: CRISP

Indirect recognition of microbes by NKT cells

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Sponsoring Org.: NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS
DISEASES

Dates: 2001/01/07 To 2012/31/11 Fy : 2007

21/3/19 (Item 2 from file: 266) [Links](#)

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00574669

Identifying No.: 0403992 Agency Code: AGRIC

STRATEGIES TO CONTROL SWINE PARASITES AFFECTING

Associate Investigators: URBAN JR J F; LUNNEY J K; ZARLENGA D S; DUBEY J P;
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? t s21/k/all

>>>W: KWIC option is not available in file(s): 399

21/K/1 (Item 1 from file: 5) Links

Biosis Previews(R)

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Stimulation of CD8 memory T cells regulates acquired immunity in a non- antigen-specific fashion

DESCRIPTORS:

Chemicals & Biochemicals: ...IL-18;CpG DNA

21/K/2 (Item 2 from file: 5) [Links](#)

Biosis Previews(R)

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DESCRIPTORS:

Chemicals & Biochemicals: ...IL-18 {interleukin-18... ...CpG;antigen receptors

21/K/3 (Item 3 from file: 5) [Links](#)

Biosis Previews(R)

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Abstract: ...antiviral mechanisms. IFN-alpha/beta is produced rapidly when viral factors, such as envelope glycoproteins, CpG DNA, or dsRNA, interact with cellular pattern-recognition receptors (PRRs), such as mannose receptors, toll... ..receptor-mediated stimulation or in response to early produced cytokines, including interleukin-2 (IL-12), IL-18, and IFN-alpha/beta, or by stimulation through T cell receptors (TCRs) or natural killer... ..gamma affect activities of macrophages, NK cells, dendritic cells (DC), and T cells by enhancing antigen presentation, cell trafficking, and cell differentiation and expression profiles, ultimately resulting in enhanced antiviral effector...

DESCRIPTORS:

Miscellaneous Terms: Concept Codes: ...antigen presentation

21/K/4 (Item 4 from file: 5) [Links](#)

Biosis Previews(R)

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A protective role of locally administered immunostimulatory CpG oligodeoxynucleotide in a mouse model of genital herpes infection.

Abstract: Unmethylated CpG dinucleotides in bacterial DNA or synthetic oligodeoxynucleotides (ODNs) are known as potent activators of the... ..system and inducers of several Th1-associated immunomodulatory cytokines. We therefore investigated whether such a CpG-containing ODN (CpG ODN) given mucosally in the female genital tract could enhance innate immunity and protect against genital herpes infection. Groups of C57BL/6 mice were treated intravaginally with either CpG ODN or a non-CpG ODN control in the absence of any antigen either 2 days before or 4 h after an intravaginal challenge with a normally lethal dose of herpes simplex virus type 2 (HSV-2). Mice treated with CpG ODN exhibited significantly decreased titers of HSV-2 in their vaginal fluids compared with non-CpG ODN-treated mice. Furthermore, CpG ODN pretreatment significantly protected against development of disease and death compared to non-CpG ODN pretreatment. Most strikingly, CpG ODN conferred protection against disease and death even when given after the viral challenge. The CpG ODN-induced protection was associated with a rapid production of gamma interferon (IFN-gamma), interleukin-12 (IL-12), IL-18, and RANTES in the genital tract mucosa following CpG ODN treatment. The observed protection appeared to be dependent on IFN-gamma, IL-12, IL-18, and T cells, as CpG ODN pretreatment did not confer any significant protection in mice deficient in IFN-gamma, IL-12, IL-18, or T cells. Further, a complete protective immunity to reinfection was elicited in CpG ODN-treated, HSV-2-challenged mice, suggesting a role for mucosally administered CpG ODN in inducing the development of an acquired immune response in addition to its potent...

DESCRIPTORS:

Chemicals & Biochemicals: CpG oligo... ..IL-18 {interleukin-18

21/K/5 (Item 5 from file: 5) [Links](#)

Biosis Previews(R)

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Airway eosinophilia and bronchial hyperreactivity in a murine model of asthma prevented by CpG oligodeoxynucleotides in the absence of IFN-gamma OR IL-12; IL-18 is unlikely to play an important role

DESCRIPTORS:

Chemicals & Biochemicals: ...CpG motif, bacterial... ...IL-18 {interleukin-18... ...CpG motif, induction... ...schistosome egg antigen--... ...antigen, soluble

21/K/6 (Item 6 from file: 5) [Links](#)

Biosis Previews(R)

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Abstract: ...responses. Th2 cells are generated from precursor naive Th cells when they encounter the specific antigen in an IL-4-containing microenvironment. The question of how these Th2 cells are selected... ...response to ubiquitous allergens. Moreover, the recent evidence that bacterial DNA or oligodeoxynucleotides containing unmethylated 'CpG motifs' promote the development of Th1 cells via the production of immunomodulatory cytokines (namely IL-12, IL-18 and IFNs) by professional antigen-presenting cells confirms previous epidemiological data. The new insight into the pathophysiology of T cell...

DESCRIPTORS:

Chemicals & Biochemicals: ...IL-18 {interleukin-18

21/K/7 (Item 1 from file: 34) [Links](#)

SciSearch(R) Cited Ref Sci

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Abstract: ...or mutant Echerichia Coli labile toxin) improve performance of mucosal vaccines. Synthetic oligodeoxynucleotides containing immunostimulatory CpG motifs (CpG) have synergistic action with other adjuvants, such as alum and CT when delivered mucosally. There... ...important candidates for use as mucosal adjuvants. The proinflammatory cytokines IL-1alpha, IL-12, and IL-18 can replace CT as a mucosal adjuvant for antibody induction and induce an increase of mucosal CTL's. IL-15 also has the potential to increase antigen-specific CTL activity when used as an adjuvant while IL-5 and IL-6 were shown to be able to markedly increase IgA reactivity to co-expressed heterologous antigen. Chemokines such as MCP-1 could also be used as potential adjuvant for mucosally administered...

21/K/8 (Item 2 from file: 34) [Links](#)

SciSearch(R) Cited Ref Sci

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Identification of CpG oligodeoxynucleotide sequences that induce IFN-gamma production in canine peripheral blood mononuclear cells

Abstract: Oligodeoxynucleotides containing the cytosine-phosphate-guanine (CpG) motif (CpG-ODNs) have been shown to induce T(H)1 immune responses in animals. Since the sequences of CpG-ODNs that induce T(H)1 responses are considered to vary among animal species, it is necessary to identify effective CpG-ODNs in each animal. In order to identify the sequences of CpG-ODNs that induce T(H)1 responses in dogs, mRNA expression and protein production of... ..in peripheral blood mononuclear cells (PBMCs) from healthy dogs treated with 11 kinds of synthetic CpG-ODNs. One of the 11 CpG-ODNs (No. 2 CpG-ODN, 5'-GGTGCATCGATGCAGGGGGG-3') was shown to significantly increase mRNA expression and protein production of IFN-gamma in canine PBMCs in a manner dependent on the sequence of the CpG motif. This CpG-ODN also enhanced the expression of IL-12 p40 mRNA in canine PBMCs, whereas expression of IL-12 p35, IL-18, and IL-4 mRNAs was not induced by this CpG-ODN. These results indicate that this CpG-ODN was able to produce IFN-gamma by induction of T(H)1-skewed immune response in dogs. CpG-ODNs may be useful for inducing prophylactic and therapeutic immunity against allergic diseases, viral infection...

Identifiers-- ...VITRO; INTERFERON-GAMMA; BACTERIAL-DNA; T-CELLS; AIRWAY HYPERRESPONSIVENESS; SYNTHETIC OLIGONUCLEOTIDES; IMMUNOSTIMULATORY DNA; MURINE MODEL; ANTIGEN

21/K/9 (Item 3 from file: 34) [Links](#)

SciSearch(R) Cited Ref Sci

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Abstract: ...study, DCs infected with T(H)1 cytokine-expressing adenovirus can be used to induce antigen-specific T(H)1 cells for treatment in an animal model of asthma.

Methods: Cytokine gene-modulated DCs pulsed with ovalbumin antigen (OVA) were injected intravenously into naive mice 1 week before sensitization with OVA antigen. The mice were then monitored for OVA-specific IgE, airway inflammatory cell infiltration, and airway hyperresponsiveness in the study.

Results: Significant levels of IL-12 or IL-18 were expressed by Ad-IL-12 or Ad-IL- 18 infected, bone marrow-derived DCs. Ad-IL-12 and Ad-IL- 18 co-infected DCs effectively, decreasing sera anti-OVA IgE antibody levels, lung eosinophilia, and airway...

Identifiers-- ...GENE-TRANSFER; IFN-GAMMA; ANTIGEN PRESENTATION; ALLERGIC RESPONSE; TH2 RESPONSES; MOUSE AIRWAYS; IN-VIVO; CPG DNA; INTERLEUKIN-12; INFLAMMATION

21/K/10 (Item 4 from file: 34) [Links](#)

SciSearch(R) Cited Ref Sci

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Abstract: ...characteristic of Th1 immune responses, such as high IgG2a:IgG1 anti-PRV Ab ratio and antigen-specific IFN-gamma production by spleen cells. In contrast, IFNAR K/O mice showed a... ..in shaping Th1 immune responses after DNA vaccination. Codelivery of plasmids encoding IL-12 and IL-18 along with the plasmid encoding PRV-gC restored Th1 responses in IFNAR K/O mice...

Identifiers-- ...INTERFERON-GAMMA PRODUCTION; DENDRITIC CELLS;
IMMUNOSTIMULATORY DNA; I INTERFERONS; BACTERIAL-DNA; CPG DNA;
ACTIVATION; IMMUNIZATION; ANTIGEN; IL-12

21/K/11 (Item 5 from file: 34) [Links](#)

SciSearch(R) Cited Ref Sci

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Abstract: ...vector encoding the beta-galactosidase (pCMV-beta gal) was used for intradermal immunization. Furthermore, immunostimulatory CpG motifs, which induce the expression of IL-6, IL-12, IL-18, TNF-alpha/beta and IFN-gamma were coinjected as oligodeoxynucleotides. From our data we conclude... ...markedly enhanced 2 weeks (252.4%) or 3 weeks (243.3%) after the injection when CpG motifs were applied together with the plasmid DNA. (C) 1999 Elsevier Science Ireland Ltd. All...

Identifiers-- ...CYTOTOXIC T-LYMPHOCYTES; MHC CLASS-I; INTERFERON-GAMMA; CPG MOTIFS; CELLS; STIMULATION; EXPRESSION; ANTIGEN

21/K/12 (Item 1 from file: 73) [Links](#)

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...strategies. One approach is based on vaccinations using live or killed bacteria or their components, CpG-ODNs or DNA vaccination, which all induce allergen-specific or unspecific Th1 responses. Th1 responses lead to the production of IFN-gamma, IL-12, IL-18 and IL-23, thereby inhibiting Th2 responses and thus the development of asthma. A further...

Drug Descriptors:

...drug therapy--dt; bacterium lipopolysaccharide--subcutaneous drug administration--sc; BCG vaccine--drug therapy--dt; CD14 antigen --endogenous compound--ec; CpG oligodeoxynucleotide--drug therapy --dt; CpG oligodeoxynucleotide--intratracheal drug administration --tr; dendritic cell vaccine--drug therapy--dt; DNA vaccine--drug therapy ...
...endogenous compound--ec; interleukin 23--endogenous compound--ec; live vaccine--drug therapy--dt; major histocompatibility antigen class 2 --endogenous compound--ec; phosphoryl lipid A--drug therapy--dt; plasmid DNA--drug therapy...

21/K/13 (Item 2 from file: 73) [Links](#)

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...direct contact of NK cells with DCs and DC-secreted cytokines. In vitro, IFN- α , IL-18, and IL-12 all contributed to DC stimulation of NK cell IFN- γ , whereas IFN...

Drug Descriptors:

alpha interferon--endogenous compound--ec; beta interferon--endogenous compound--ec;
CD11 antigen--endogenous compound--ec; gamma interferon--endogenous compound--ec;
interleukin 12--endogenous compound --ec; interleukin 18...

Medical Descriptors:

* antigen recognition; *infection; *T lymphocyte activation

Drug Terms (Uncontrolled): Cpg oligodeoxynucleotide

21/K/14 (Item 3 from file: 73) [Links](#)

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IL-18 gene therapy develops Th1-type immune responses in Leishmania major-infected BALB/c mice: Is the effect mediated by the CpG signaling TLR9?

IL-18 regulates either Th1 or Th2 responses depending on the cytokine microenvironment. Administration of recombinant IL-18 (rIL-18) alone does not promote Th1 response, but rather induces Th2 response and exacerbates... major infection in susceptible BALB/c mice. Here, we treated BALB/c mice with an IL-18-expressing plasmid by using a gene gun weekly after L. major infection. This gene therapy... susceptibility The synergistic role of the vector with rIL-18 was found to depend on CpG motifs, which enhanced expression of proinflammatory cytokines, especially IL-12, from APCs through Toll-like receptor (TLR) 9 ligation. Treatment with methylated plasmid vector in which CpG was disrupted could no longer prevent the disease development in coadministration with rIL-18. Taken together, IL-18 gene therapy was shown to develop Th1-type protective immunity in L. major-infected BALB/c mice without the requirement of exogenous IL-12, probably via CpG-TLR9 signaling pathway. (c) 2004 Nature Publishing Group All rights reserved.

Medical Descriptors:

* CpG island; *immune response; *leishmaniasis--drug therapy--dt; * leishmaniasis--etiology--et; *signal transduction

animal cell; animal experiment; animal model; animal tissue; antigen presenting cell; article; controlled study; disease exacerbation; disease predisposition; drug potentiation; female; gene disruption; gene...

21/K/15 (Item 4 from file: 73) [Links](#)

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...involving cytokines such as granulocyte/macrophage colony-stimulating factor, interleukin-2 (IL-2), IL-12, IL-18, and many others are examined. Notable chemokines that may offer hope in such efforts include...

Drug Descriptors:

B7 antigen--intradermal drug administration--dl; B7 antigen --pharmaceutics--pr; B7 antigen--pharmacology--pd; beta defensin 2 --intradermal drug administration--dl; beta defensin 2--intramuscular drug administration--im; beta defensin 2--pharmaceutics--pr; beta defensin 2 --pharmacology--pd; CD40 antigen--intramuscular drug administration --im; CD40 antigen--pharmaceutics--pr; CD40 antigen --pharmacology--pd; CD40 ligand--intramuscular drug administration--im; CD40 ligand--pharmaceutics--pr; CD40 ligand--pharmacology--pd; CD86 antigen--intramuscular drug administration--im; CD86 antigen --pharmaceutics--pr; CD86 antigen--pharmacology--pd; cholera toxin --intradermal drug administration--dl; cholera toxin--intranasal drug administration--na; cholera...
...intramuscular drug administration--im; interleukin 8--pharmaceutics--pr; interleukin 8--pharmacology--pd; lymphocyte function associated antigen 3--intramuscular drug administration--im; lymphocyte function associated antigen 3--pharmaceutics--pr; lymphocyte function associated antigen 3--pharmacology--pd; macrophage inflammatory protein 1alpha--intranasal drug administration--na; macrophage inflammatory protein 1alpha...

Medical Descriptors:

CpG island; dendritic cell; drug efficacy; helper cell; Herpes simplex virus; histocompatibility; Human immunodeficiency virus; immune...

21/K/16 (Item 5 from file: 73) [Links](#)

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Generation of neutralizing mouse anti-mouse IL-18 antibodies for inhibition of inflammatory responses in vivo

The proinflammatory cytokine IL-18 mediates IFN-gamma production as well as the induction of Th1 polarized immune responses in... ..In this study, we describe the production of isogeneic monoclonal antibodies (Mabs) directed against murine IL-18 (mIL-18). Immunization of IL-18-deficient mice with recombinant mIL-18 in the presence of CpG-oligodeoxynucleotides (CpG-ODN) and alum as adjuvant resulted in high anti-IL-18 serum titers. We could identify two Mabs, SK721-2 and SK113AE-4, which were able to bind to IL-18 and neutralize its IFN-gamma inducing effect in vitro with an IC₅₀ of... ..by 60-85% following a single administration of Mabs SK113AE-4 or SK721-2. Since IL-18 is likely to be involved in the pathogenesis of inflammatory diseases such as rheumatoid arthritis or Crohn's disease, neutralizing mouse anti-mouse IL-18 Mabs have the potential to become valuable tools for the therapeutic exploration of long-term IL-18 blockade in vivo. (c) 2002 Elsevier Science B.V. All rights reserved.

Medical Descriptors:

animal cell; animal experiment; animal model; antibody detection; antibody titer; antigen binding; article; controlled study; cytokine production; female; IC₅₀; immunization; in vitro study; in vivo...

21/K/17 (Item 6 from file: 73) [Links](#)

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...responses. Th2 cells are generated from precursor naive Th cells when they encounter the specific antigen in an IL-4-containing microenvironment. The question of how these Th2 cells are selected... ...response to ubiquitous allergens. Moreover, the recent evidence that bacterial DNA or oligodeoxynucleotides containing unmethylated 'CpG motifs' promote the development of Th1 cells via the production of immunomodulatory cytokines (namely IL-12, IL-18 and IFNs) by professional antigen-presenting cells confirms previous epidemiological data. The new insight into the pathophysiology of T cell...

Medical Descriptors:

antigen presenting cell; B lymphocyte; cytokine release; environmental factor; eosinophil; heredity; human; immune response; mast cell...

21/K/18 (Item 1 from file: 266) [Links](#)

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Summary: ...cell-mediated immune reaction can occur in two ways. First, the relatively invariant T cell antigen receptor (TCR) these cells express can directly recognize some bacterial glycolipids. Second, Va14/ NKT cells... ...sensing of these microbes. In some cases, this activation can occur through the stimulation of antigen presenting cells (ARC) by TLR ligands, leading to IL-12 and IL- 18 secretion, which activates Va14/ NKT cells even in the absence of self-antigen. The experiments in this proposal are designed to achieve a better molecular and cellular understanding... ...the ARC responsible for activating Va14/ NKT cells after exposure to E. coll LPS or CpG ODN, and will assess their expression of the relevant TLRs and their ability to produce the required activating cytokines. The role of IFN γ receptor signaling in enhancing the IL-12/ IL-18 mediated response will be determined, as will the regulation of IL-12R and IL-18R... ...self-antigens presented by CD1d. In the response to Salmonella LPS and to Schistosome egg antigen preparations, self- antigen presentation has been implicated in activating Va14/ NKT cells. We will carry out experiments to... ...if either of these agents affects CD1d expression, and to more rigorously test for self-antigen presentation. These experiments will yield important insights into the normal role of Va14/ NKT cells...

21/K/19 (Item 2 from file: 266) [Links](#)

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Summary: ...activators of the swine immune system such as recombinant cytokines [interleukin-12 (IL-12) and IL-18]. Description of effects of these cytokines and of synthetic oligonucleotides (CpG) on swine immunity, and their use to enhance neonatal swine immunity and to stimulate appropriate...

Progress Report Summary: ...L., Renard, C., Chardon, P. 2005. Nomenclature for factors of the SLA class II system. Tissue Antigen. 66(6):623-639. Gasser, R.B., Hu, M., Abs El Osta, Y., Zarlenga, D...

